

Network Storage System  
90

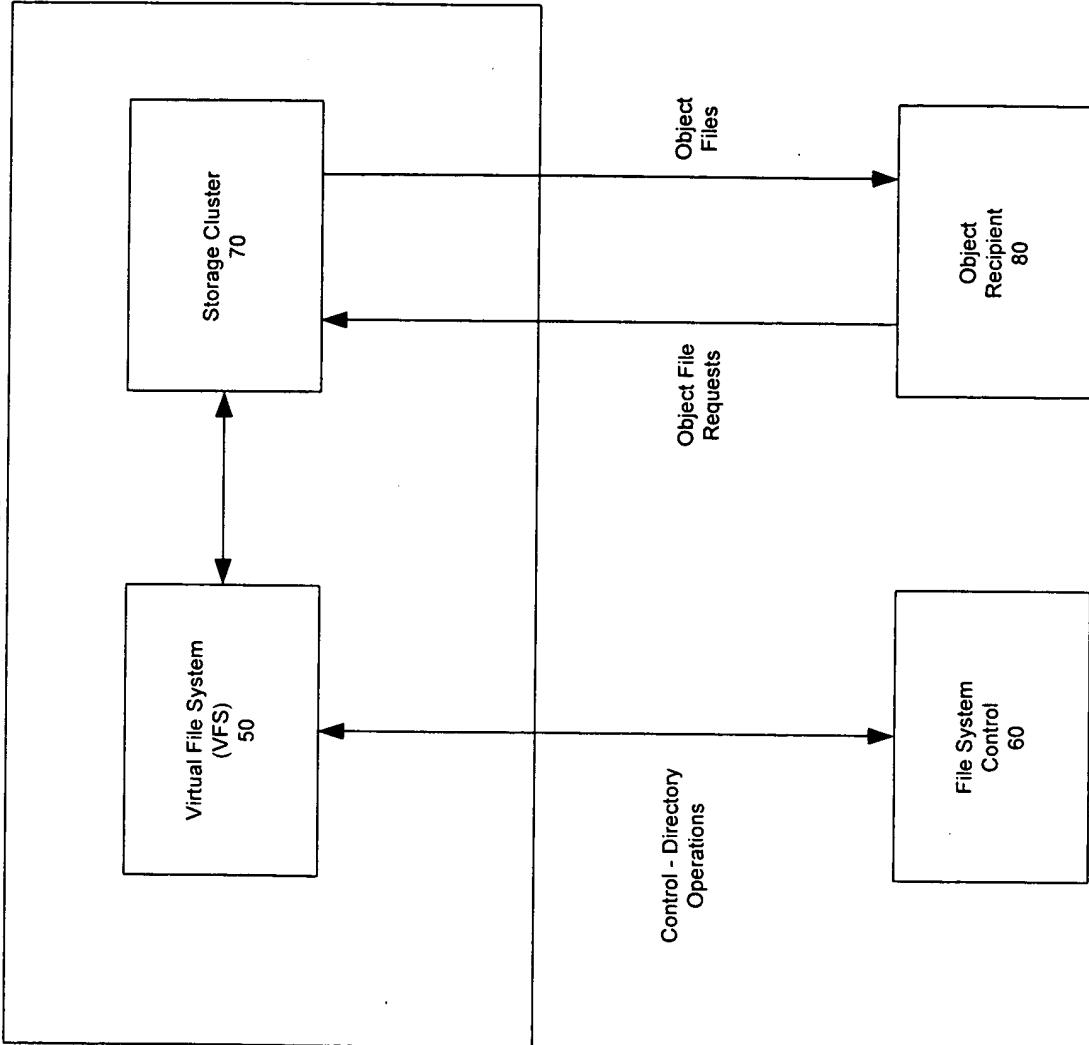
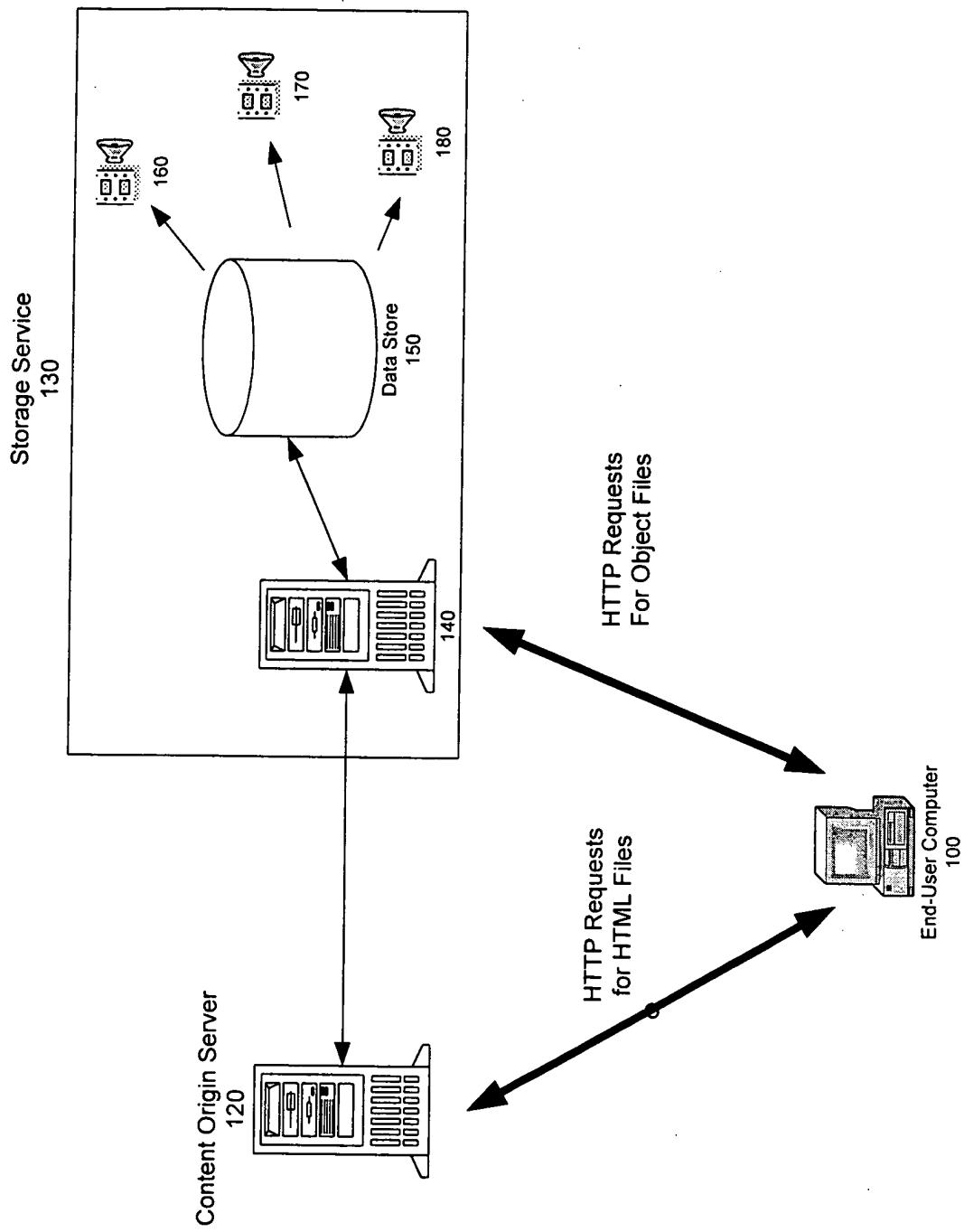
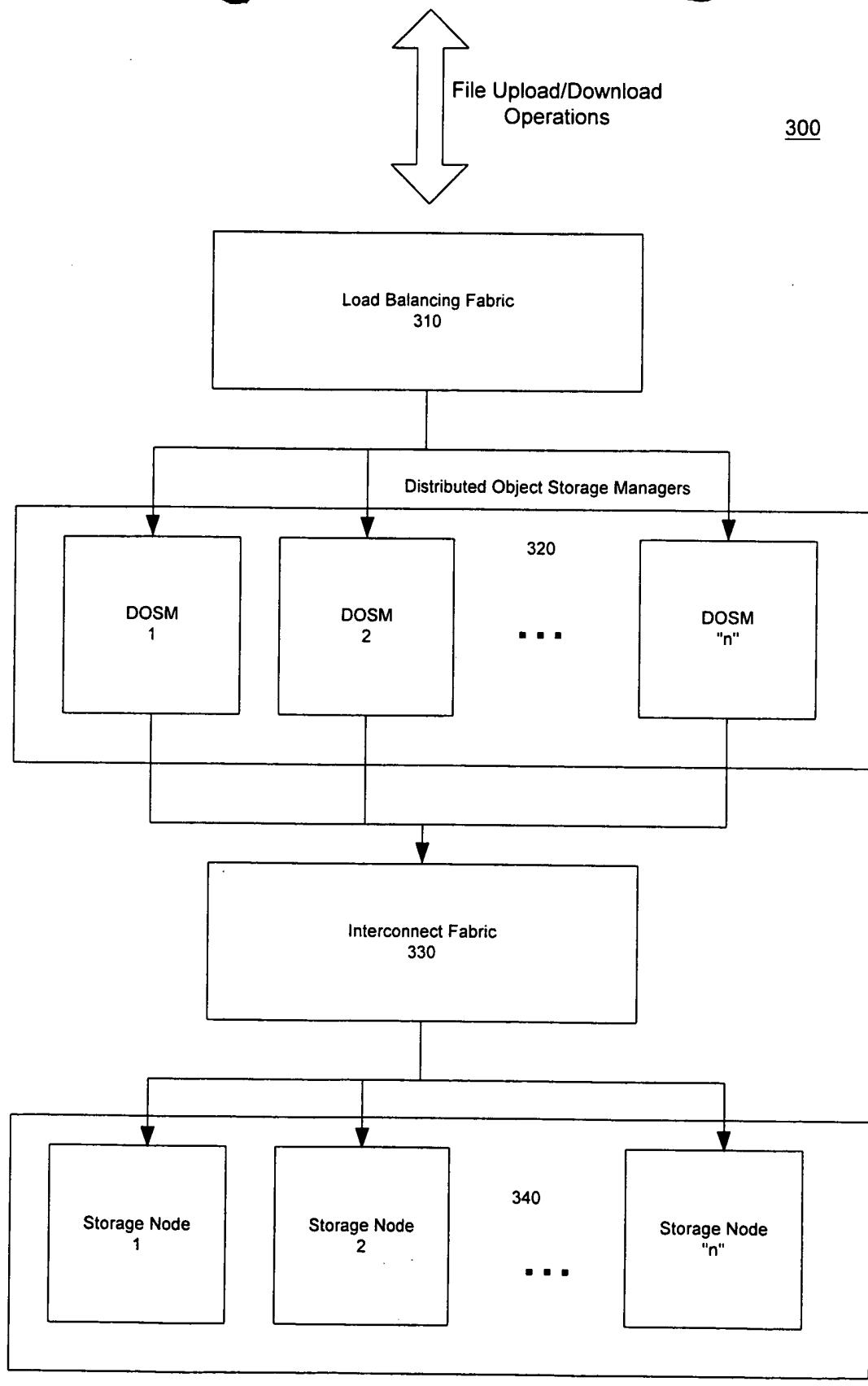


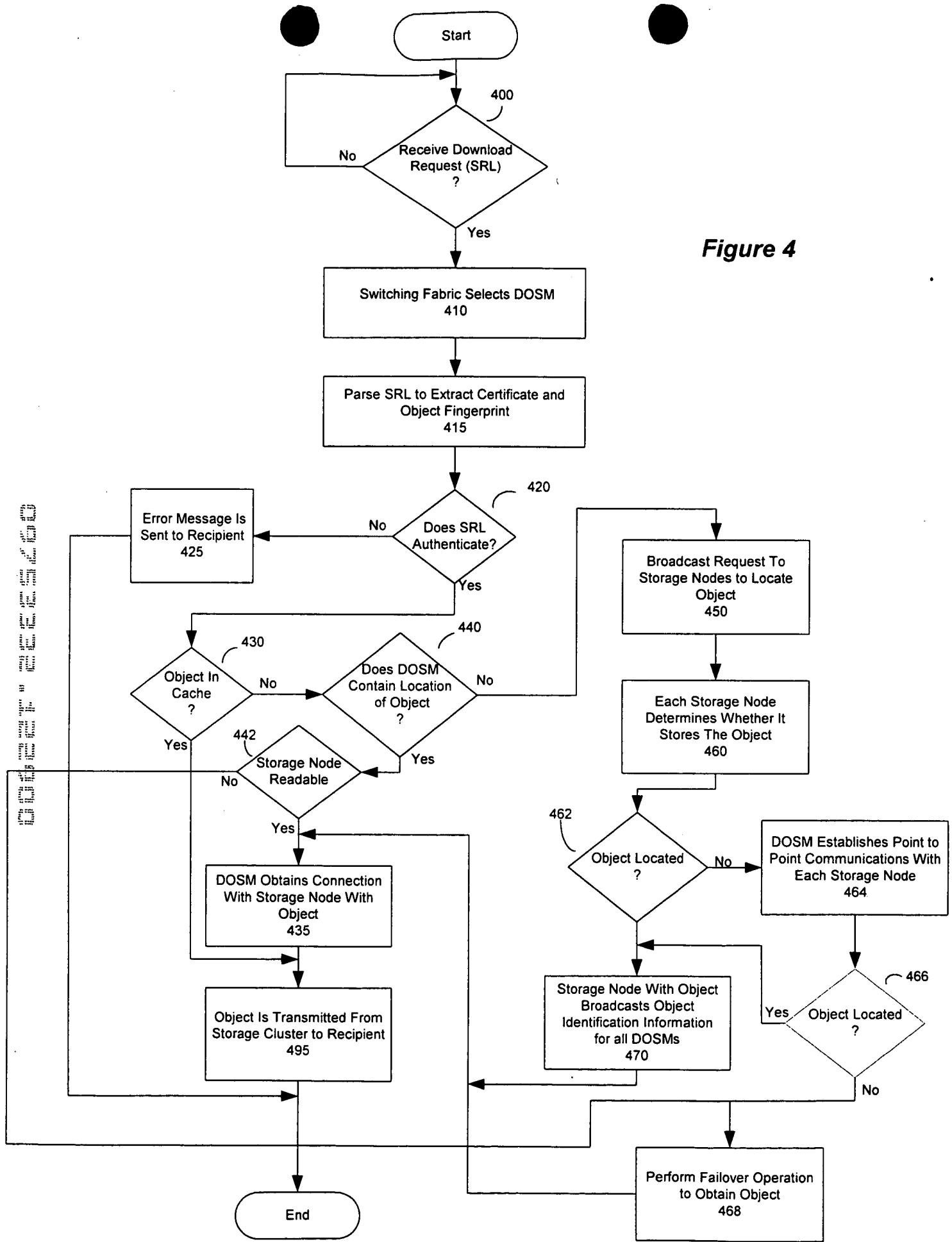
Figure 1

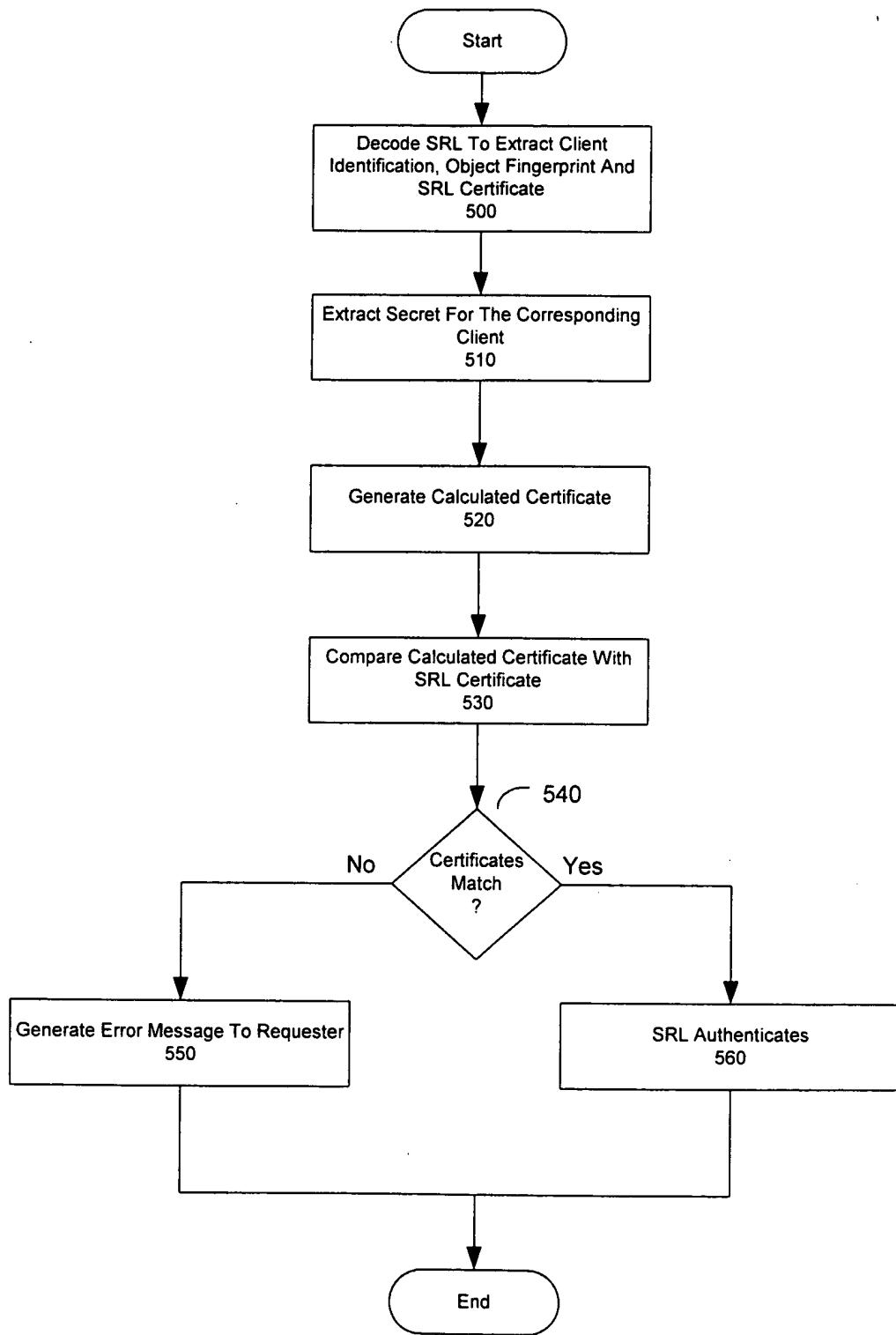


**Figure 2**



**Figure 3**

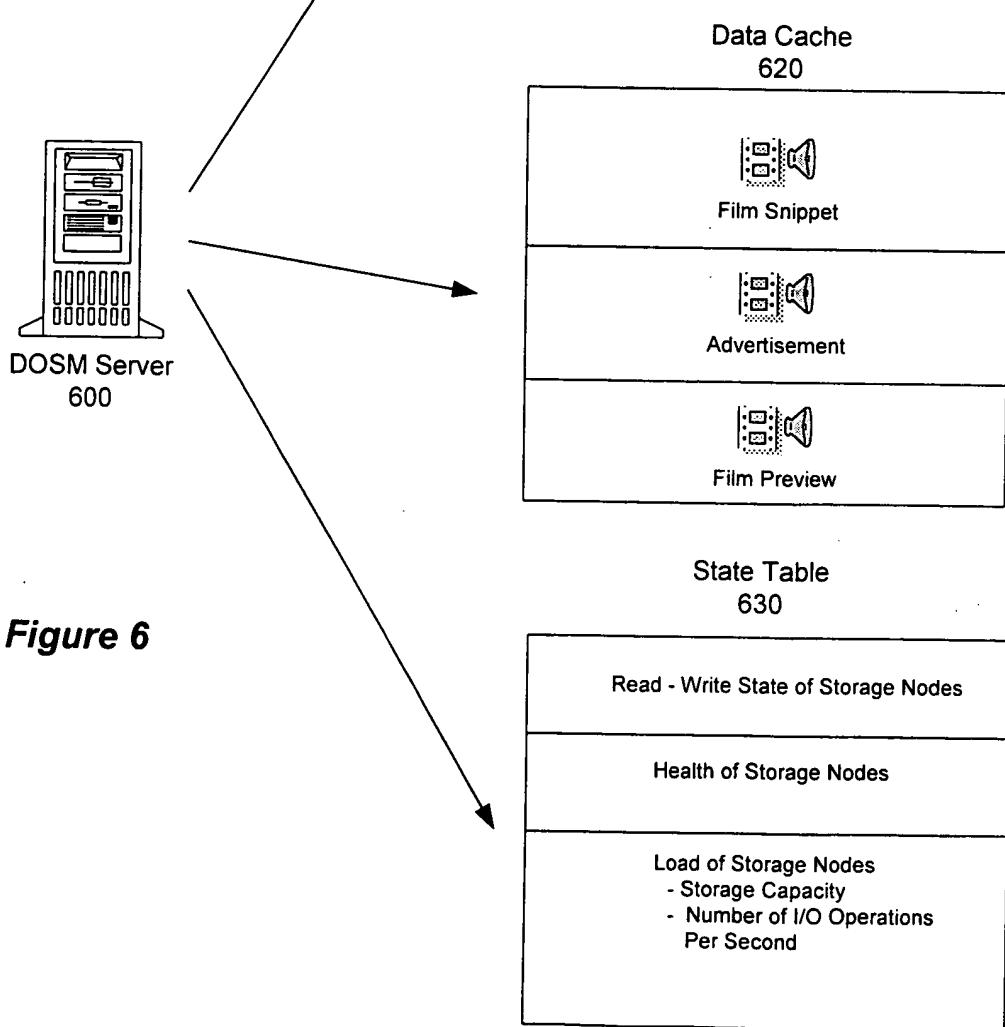




**Figure 5**

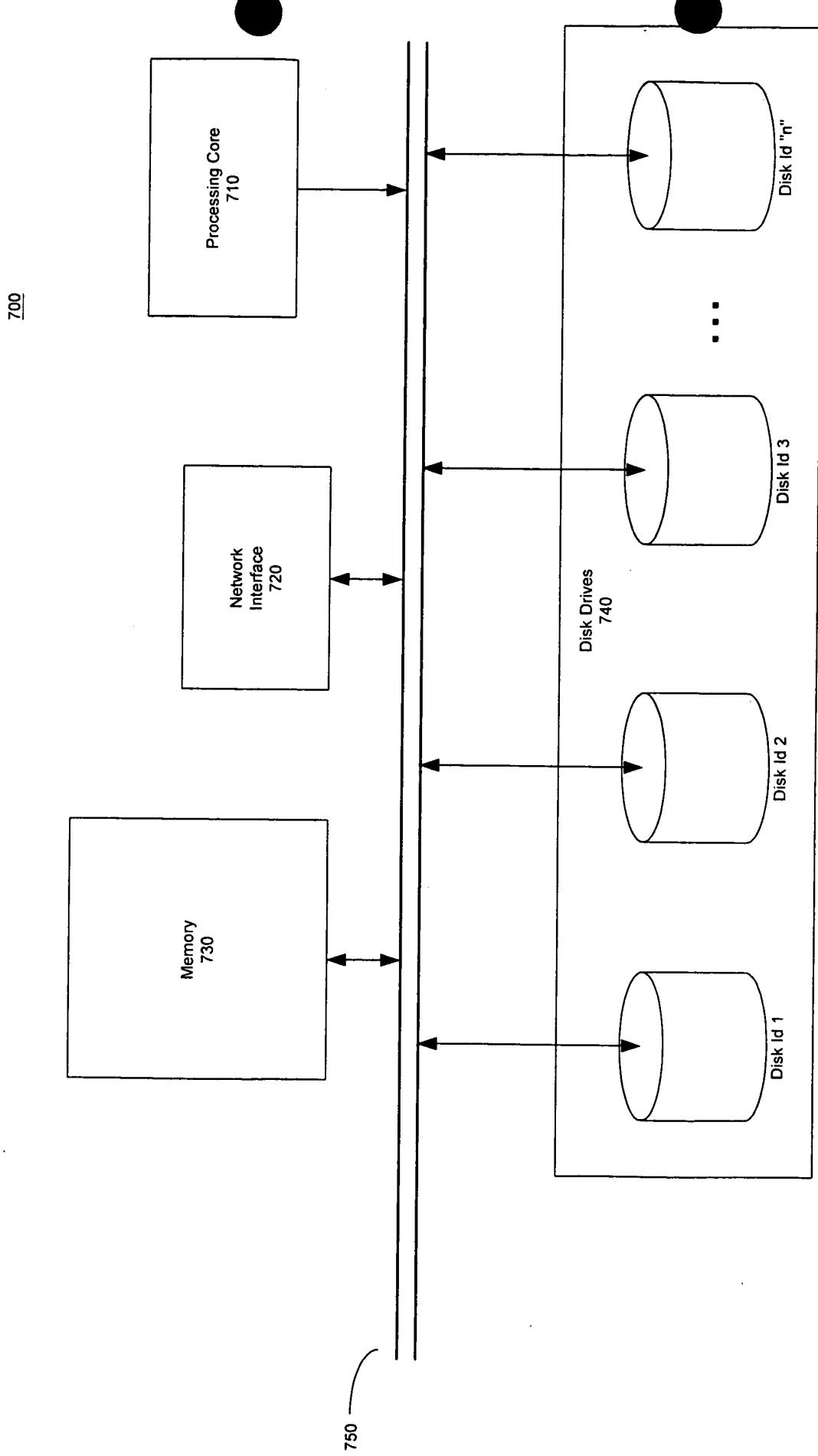
DOSM File Look-up Table  
610

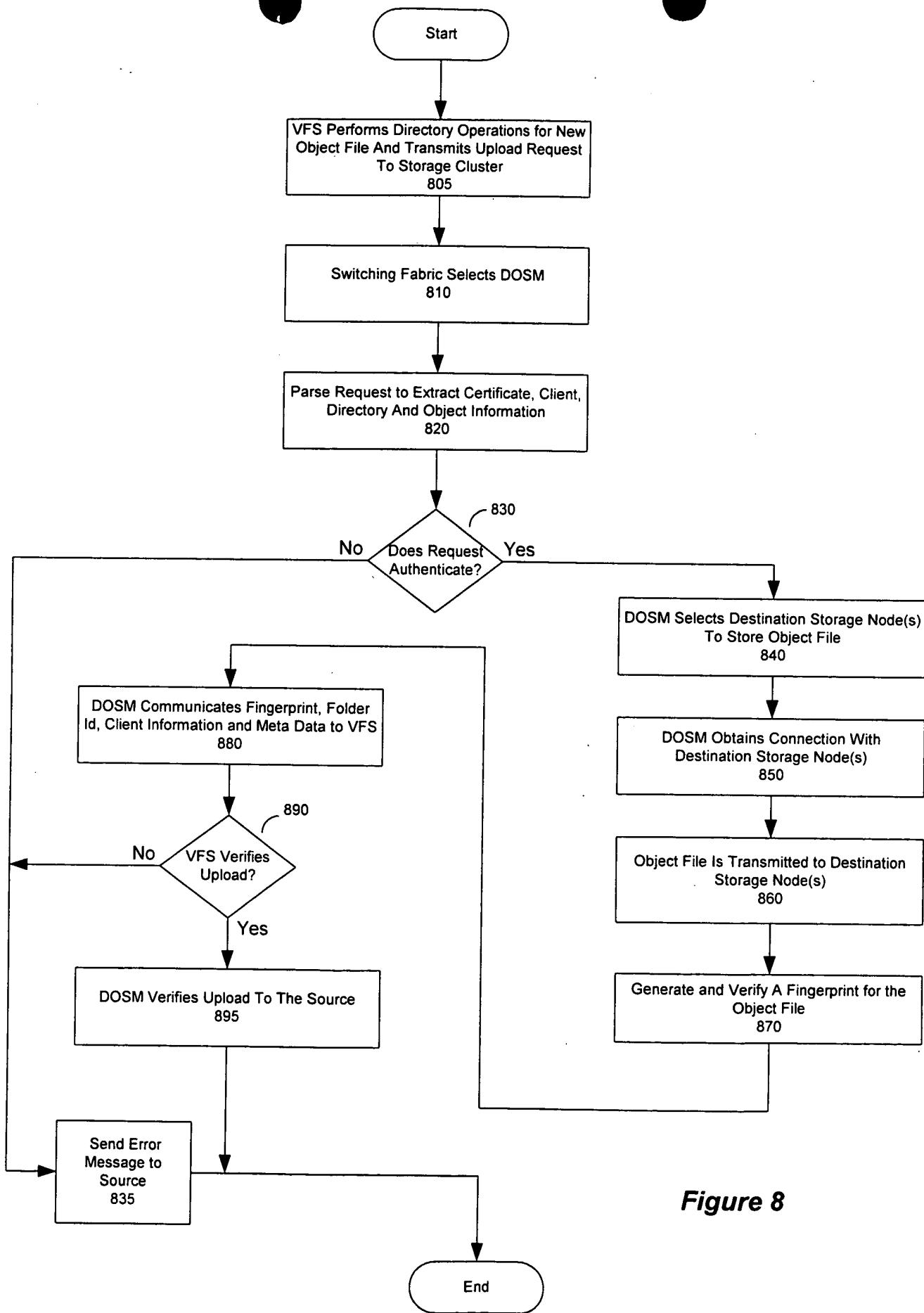
File Id	IP Addr	Disk Id
file1.MD5	10.3.100.1	3
file2.MD5	10.3.098.1	1
file3.MD5	10.3.050.1	6
file4.MD5	10.3.100.1	2
file5.MD5	10.3.098.1	1
file6.MD5	10.3.050.1	8



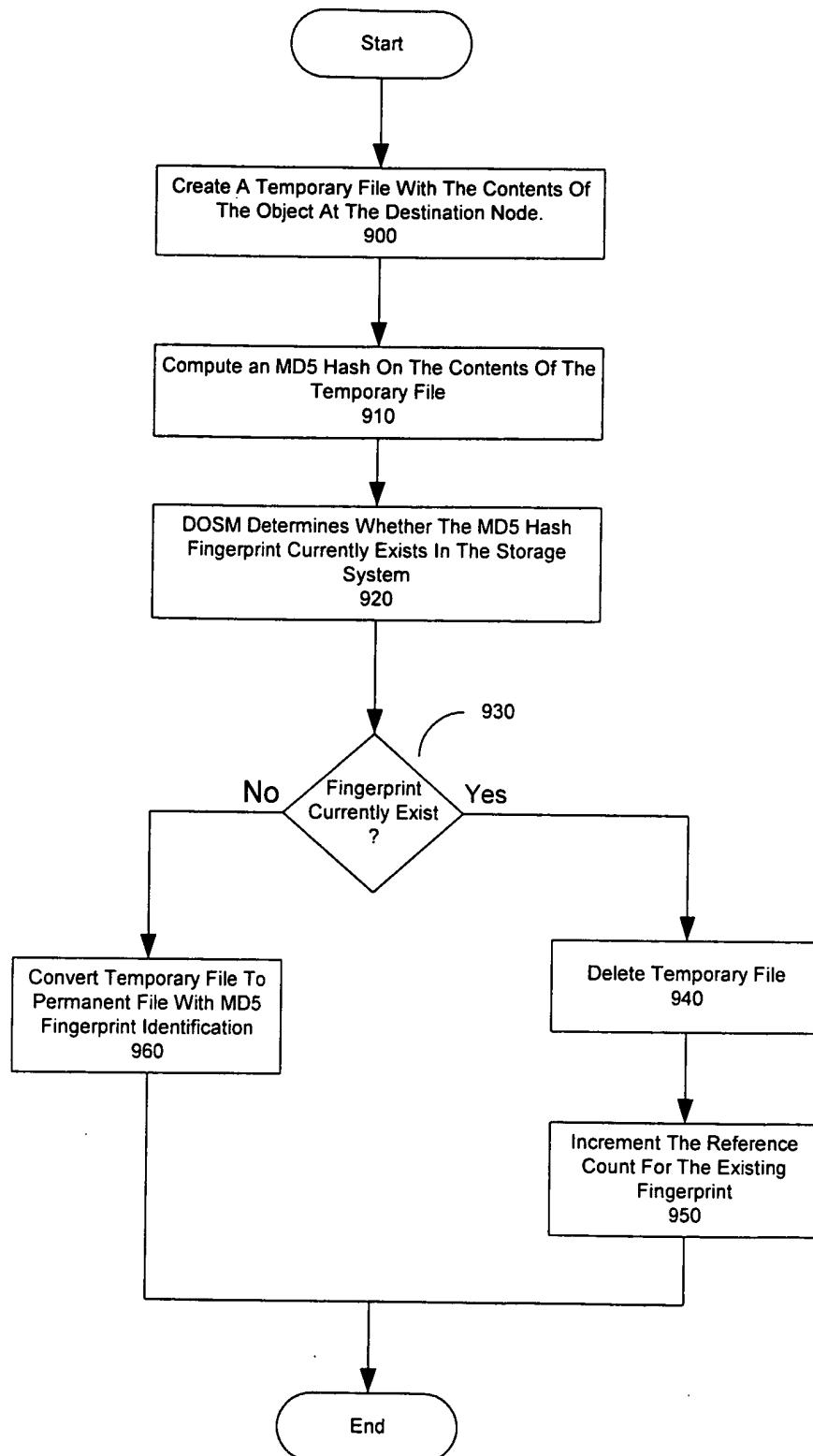
**Figure 6**

**Figure 7**



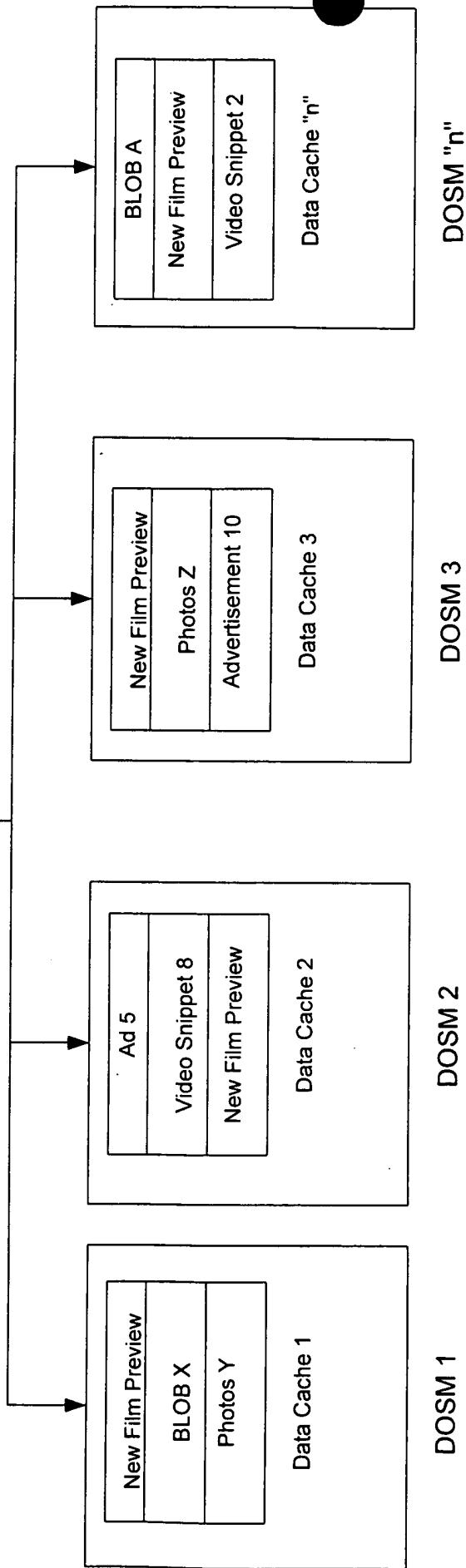
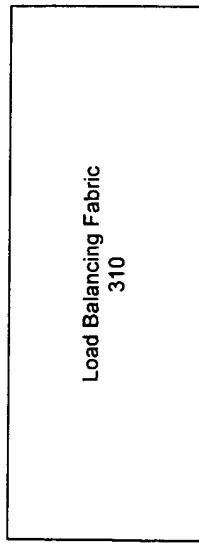
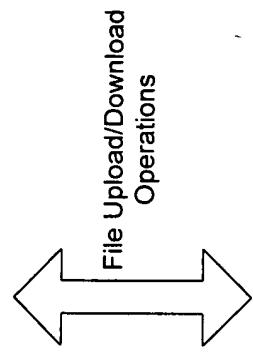


**Figure 8**



**Figure 9**

File Upload/Download Operations

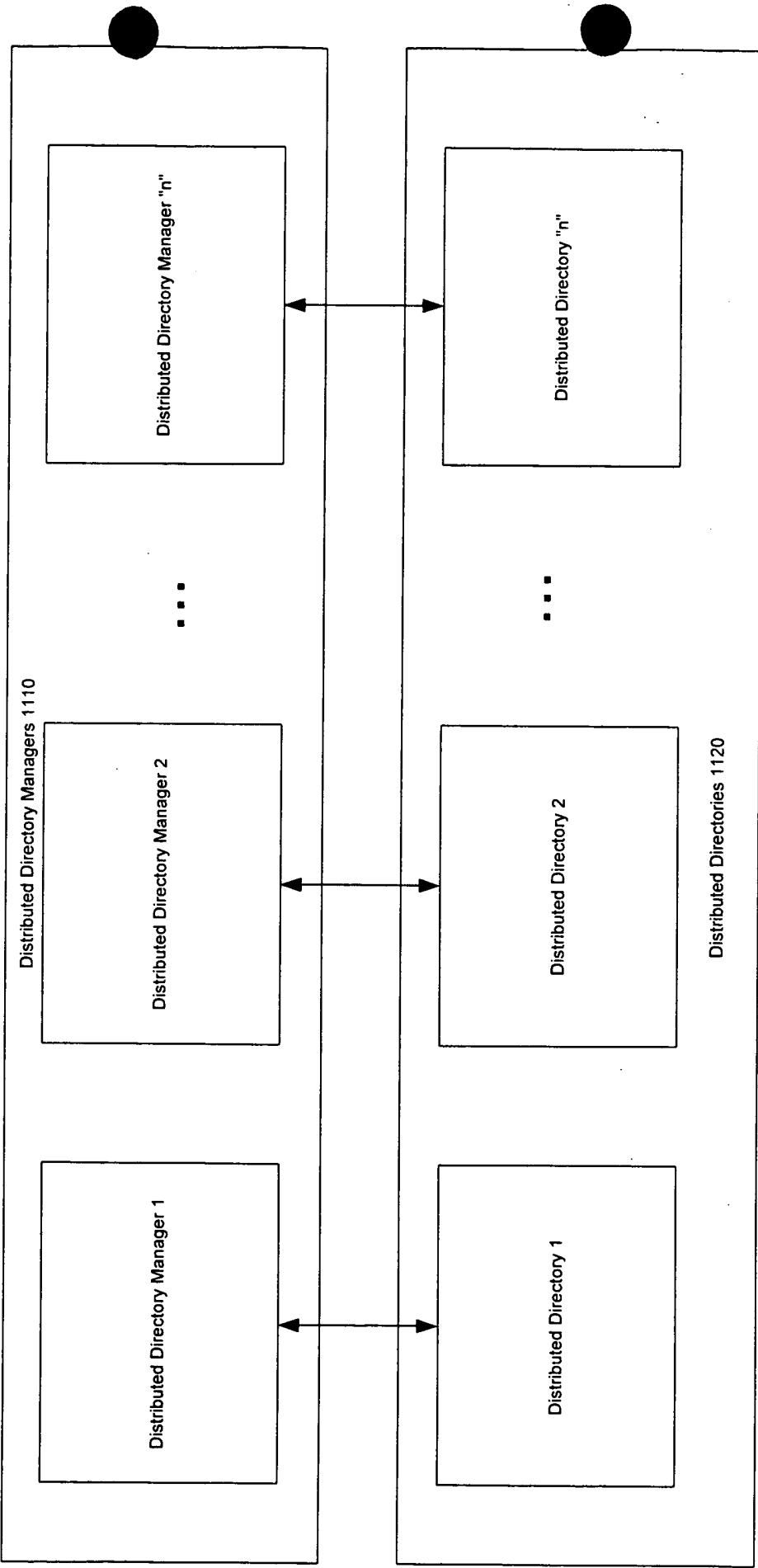


**Figure 10**

HTTP Directory Operation Requests

HTTP Directory Operation Requests

HTTP Directory Operation Requests



1100

**Figure 11**

Customer Table

	Customer Name	Customer Reserved Fields
	Customer A	[Customer stores data ...]
	Customer B	[Customer stores data ...]
	Customer C	[Customer stores data ...]
	Customer D	[Customer stores data ...]

1200

Folder Table

Customer Id	Folder Id	Folder Parent Id	Metadata
3	2	-	[Reserved]
3	100	2	[Reserved]
3	251	2	[Reserved]
3	166	251	[Reserved]

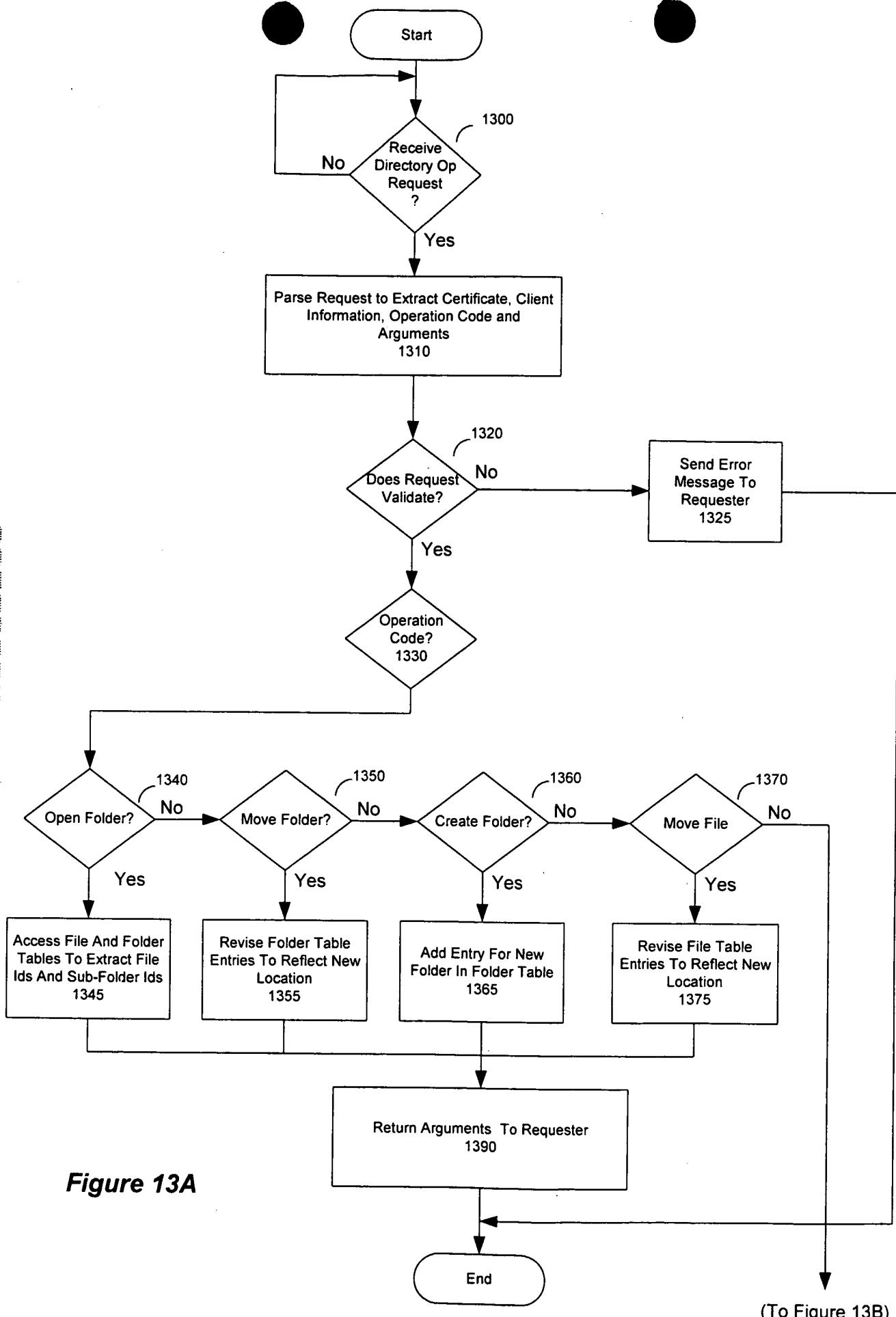
1210

File Table

Customer Id	File Handle	Folder Id	Folder Parent Id	Metadata
3	52.MD5	100	2	[Reserved]
3	55.MD5	100	2	[Reserved]
3	99.MD5	166	251	[Reserved]
3	67.MD5	166	251	[Reserved]

1220

*Figure 12*



**Figure 13A**

(To Figure 13B)

(From Figure 13A)

1372  
Delete Folder?  
1374  
Delete Folder  
Entry From Folder  
Table  
1378  
Delete File Entry  
From File Table  
1384  
Add Entry For File  
In File Table  
1388  
Update Client  
Metadata In Folder  
Table For Folder  
Entry  
1394  
Update Client  
Metadata In File  
Table For File  
Entry  
1396  
Return Arguments To Requester  
1396  
End

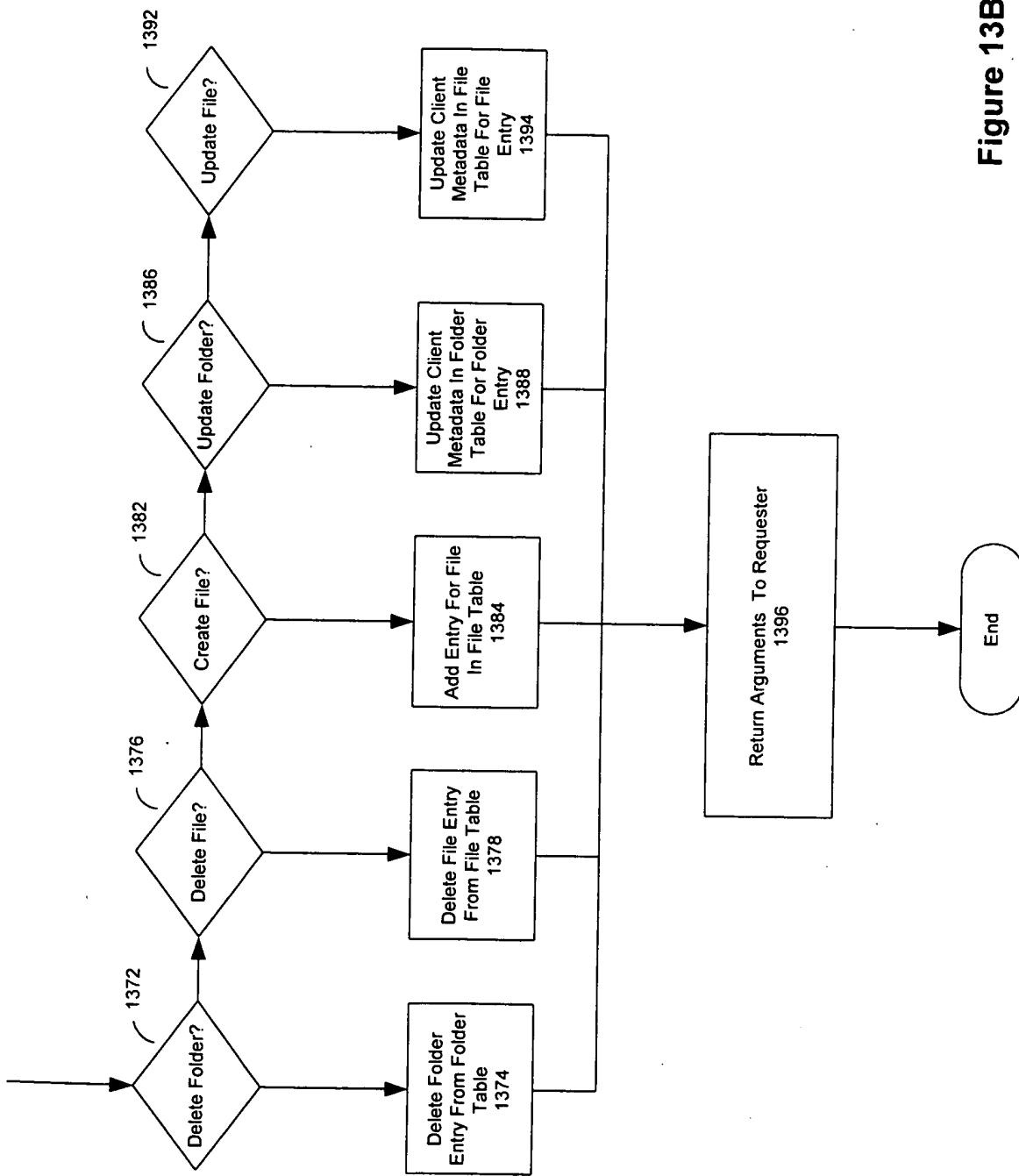
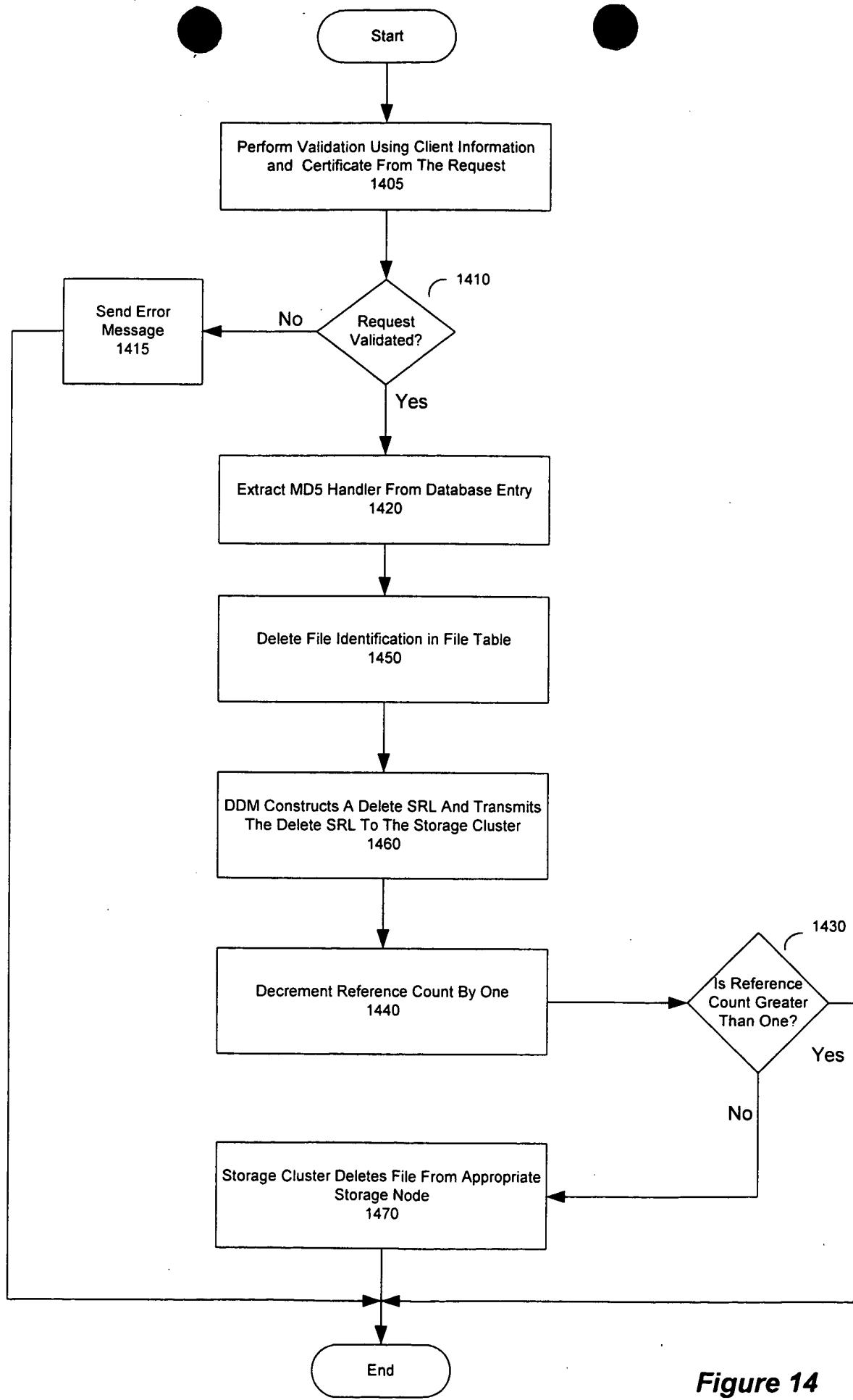


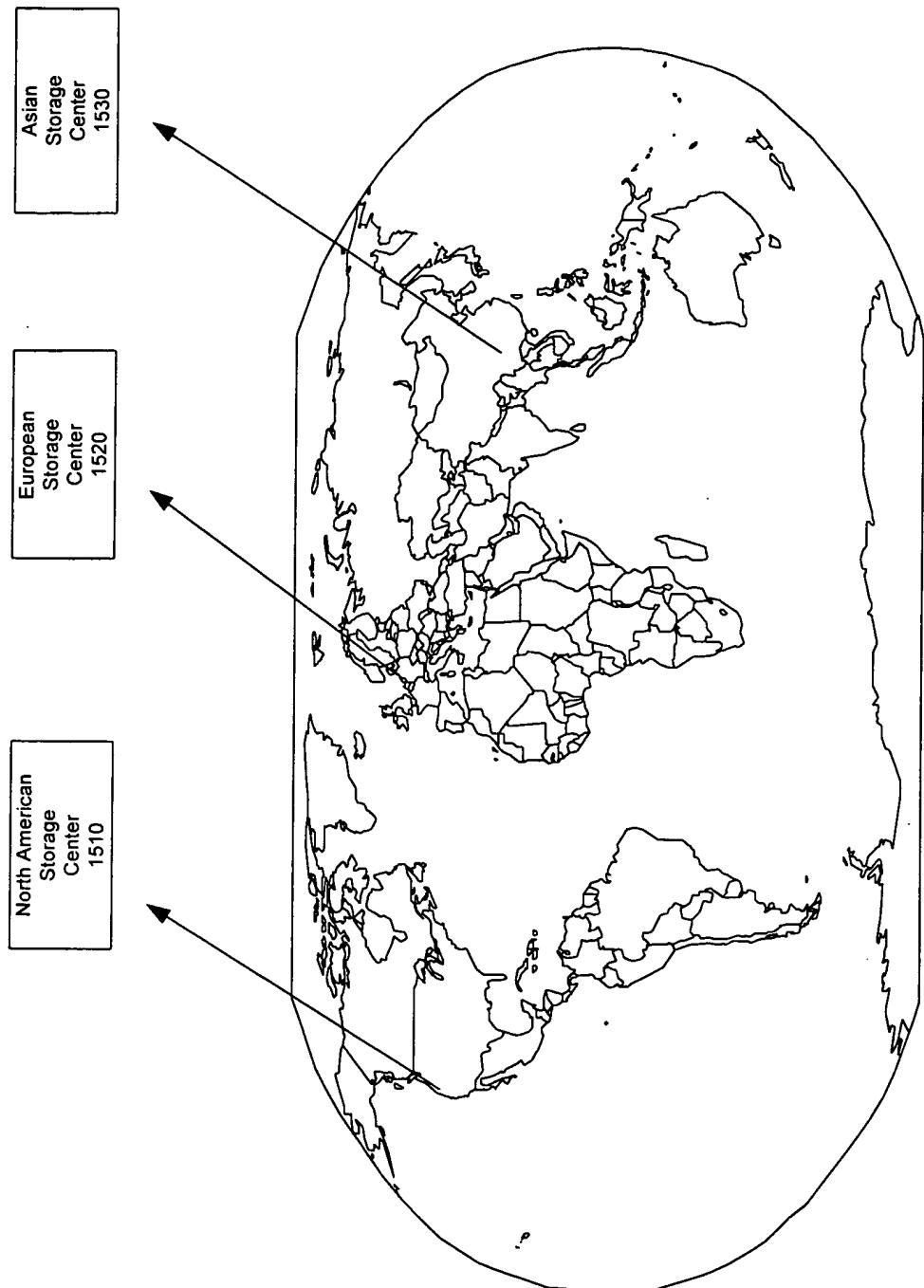
Figure 13B



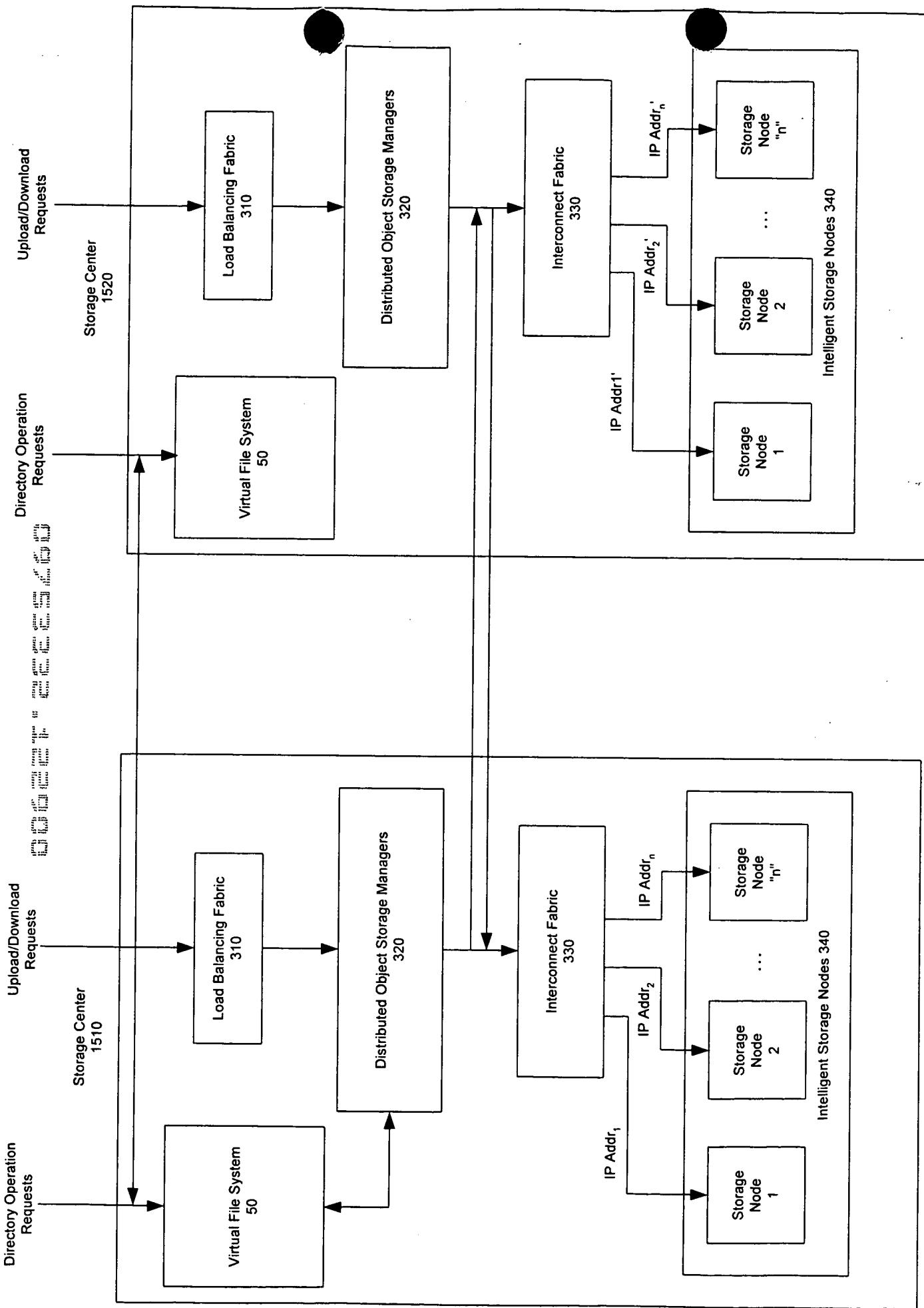


**Figure 14**

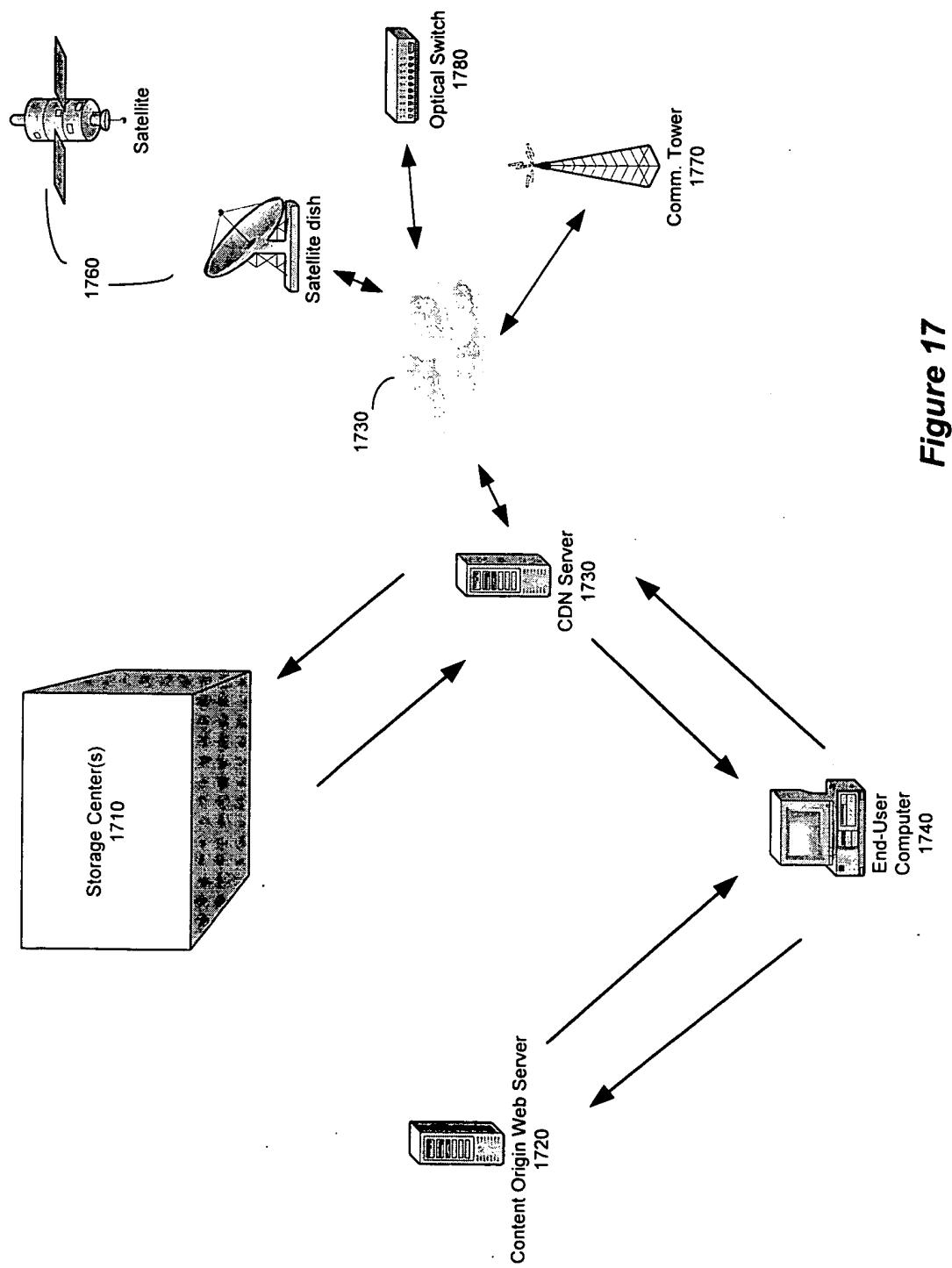
1510 1520 1530



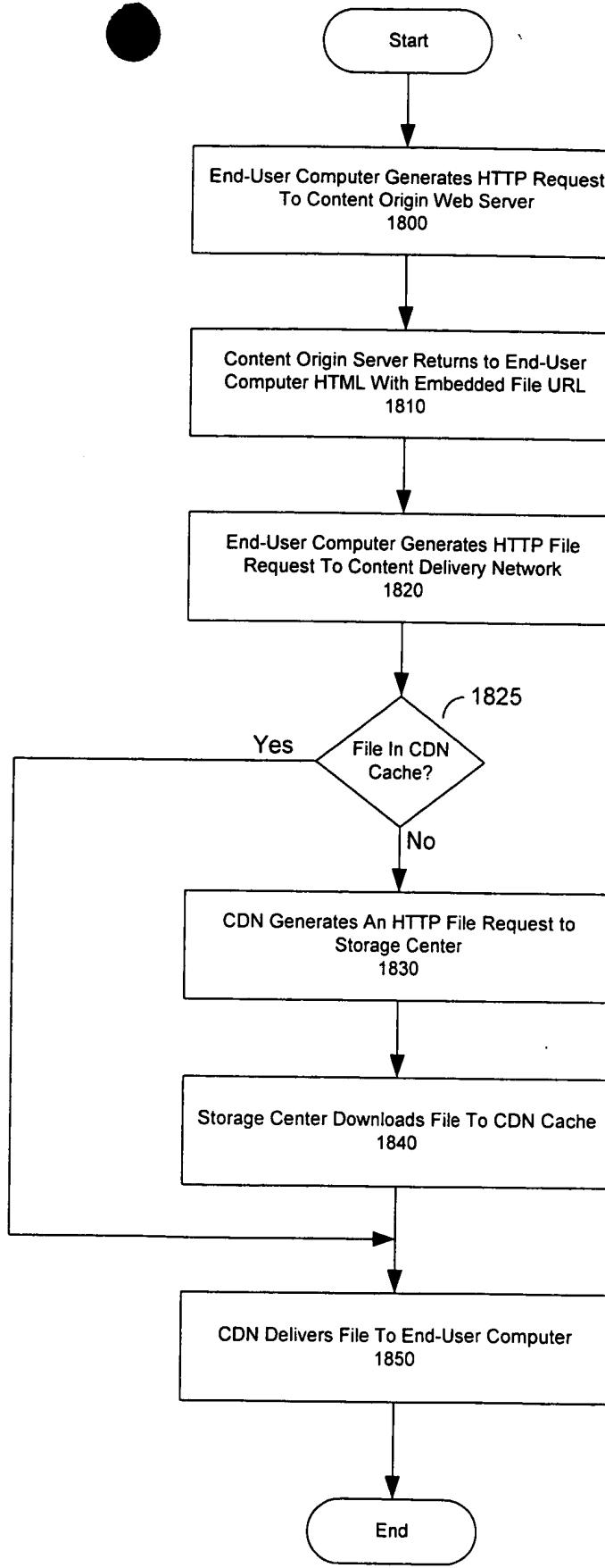
**Figure 15**



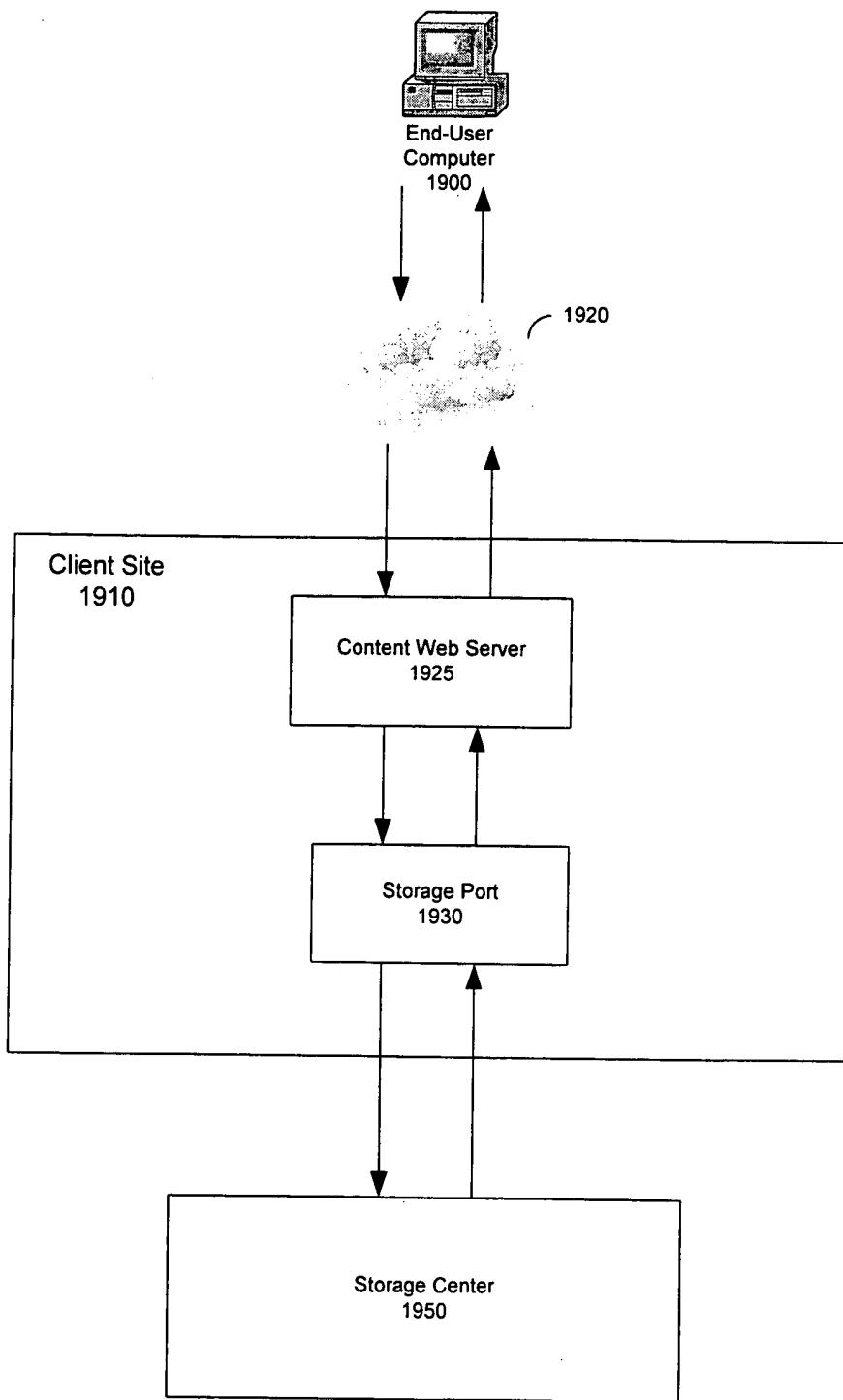
**Figure 16**



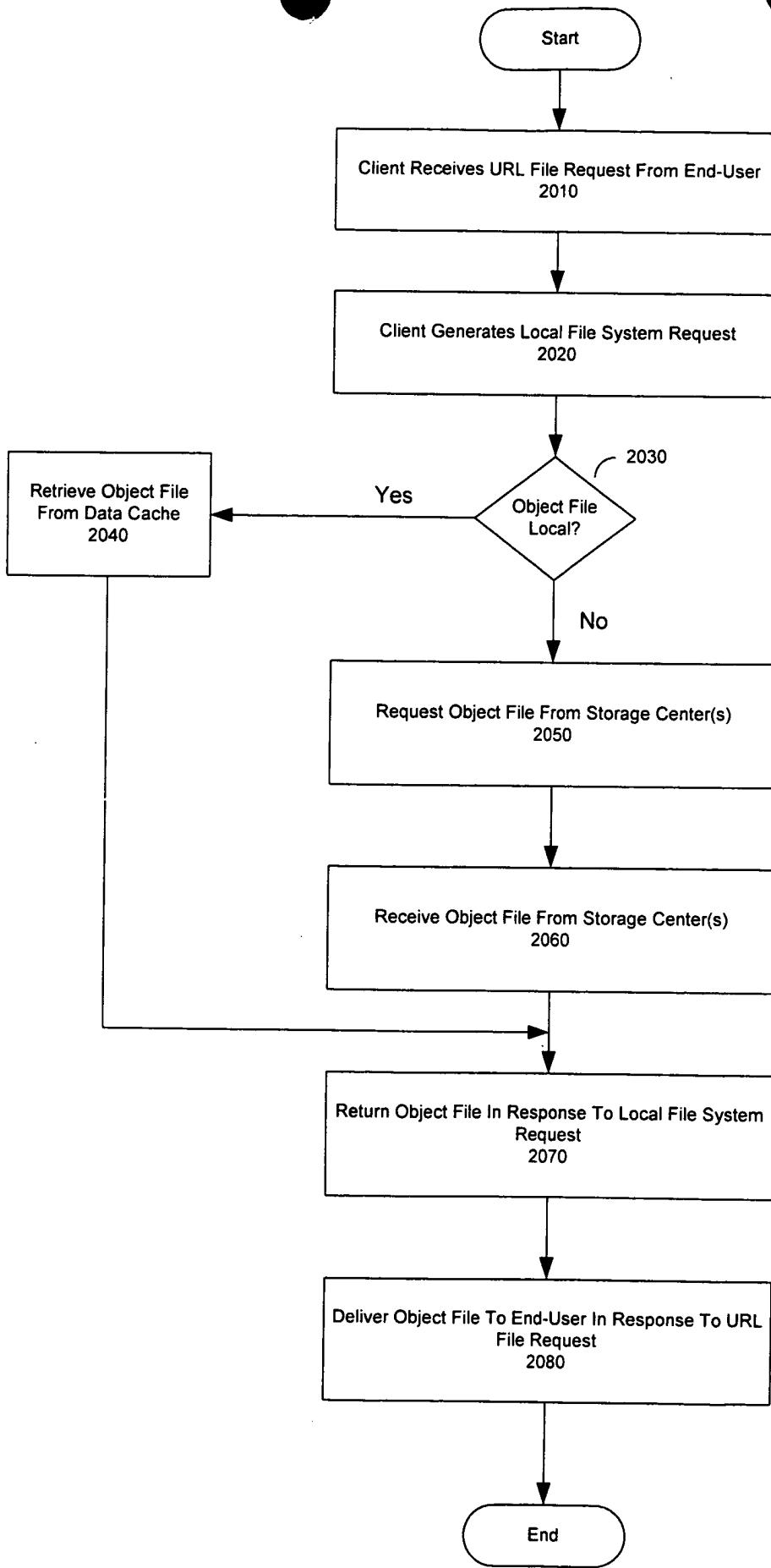
**Figure 17**



**Figure 18**

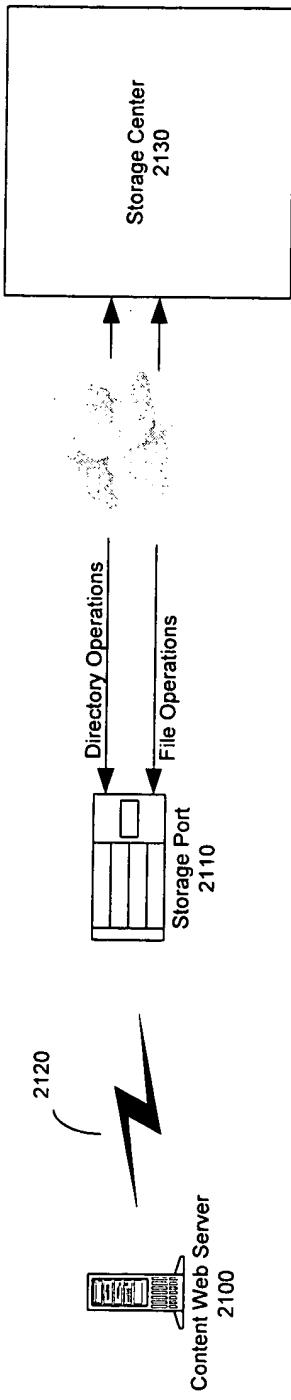


**Figure 19**

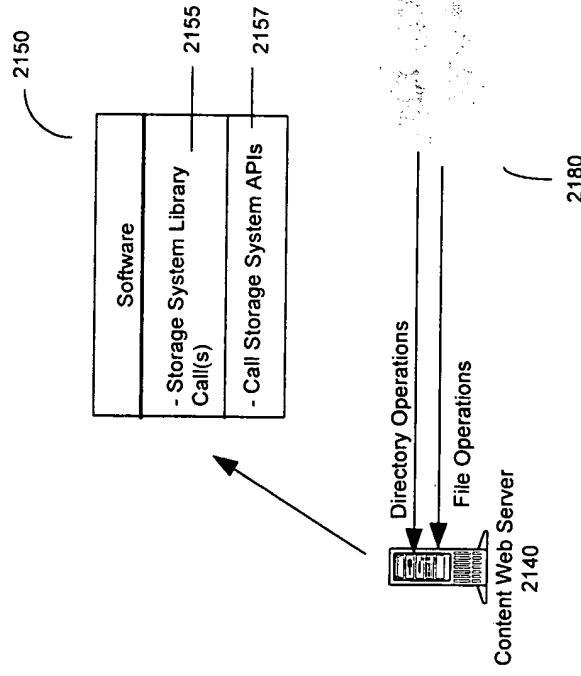


**Figure 20**

2120  
Content Web Server  
2100



**Figure 21a**



**Figure 21b**

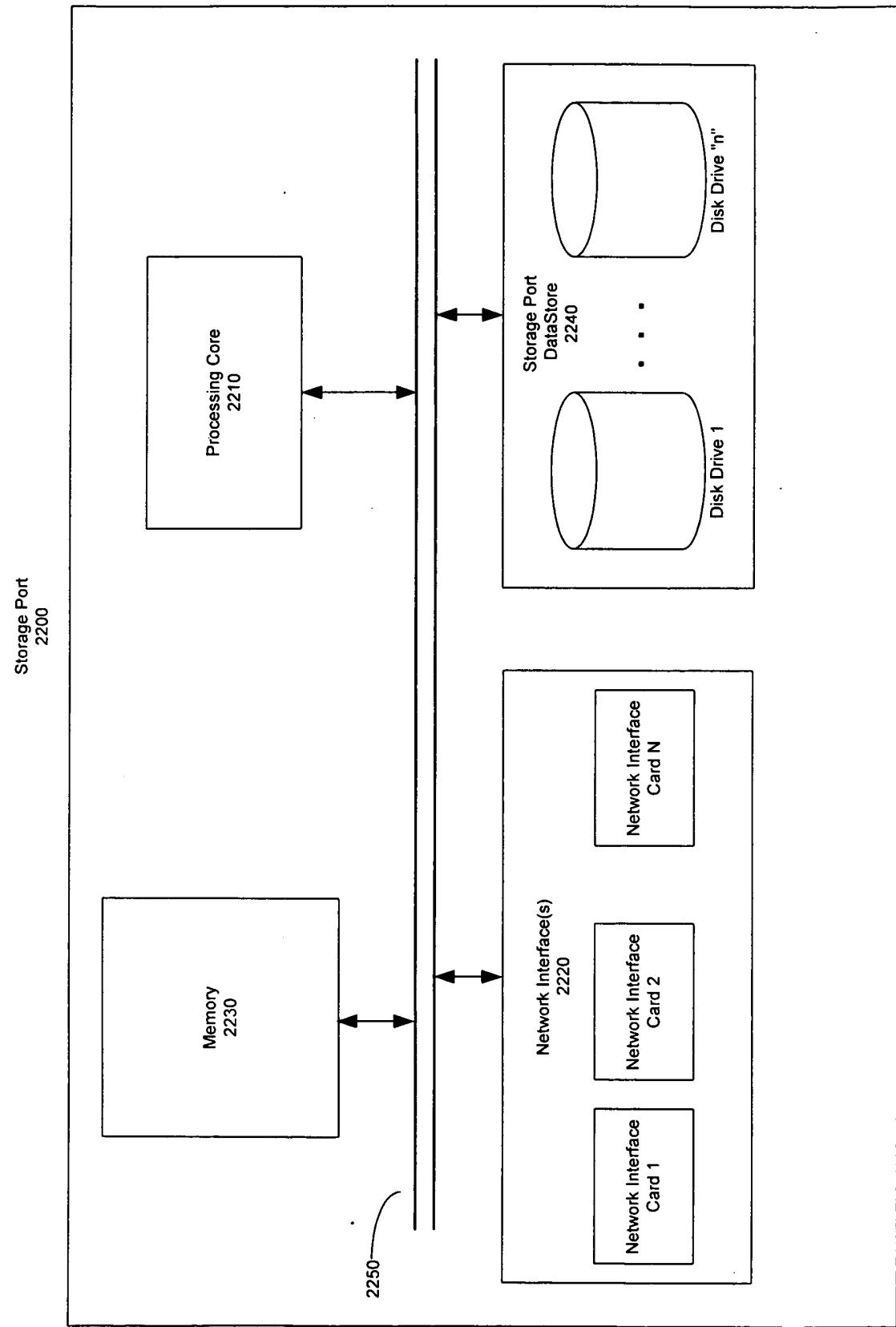
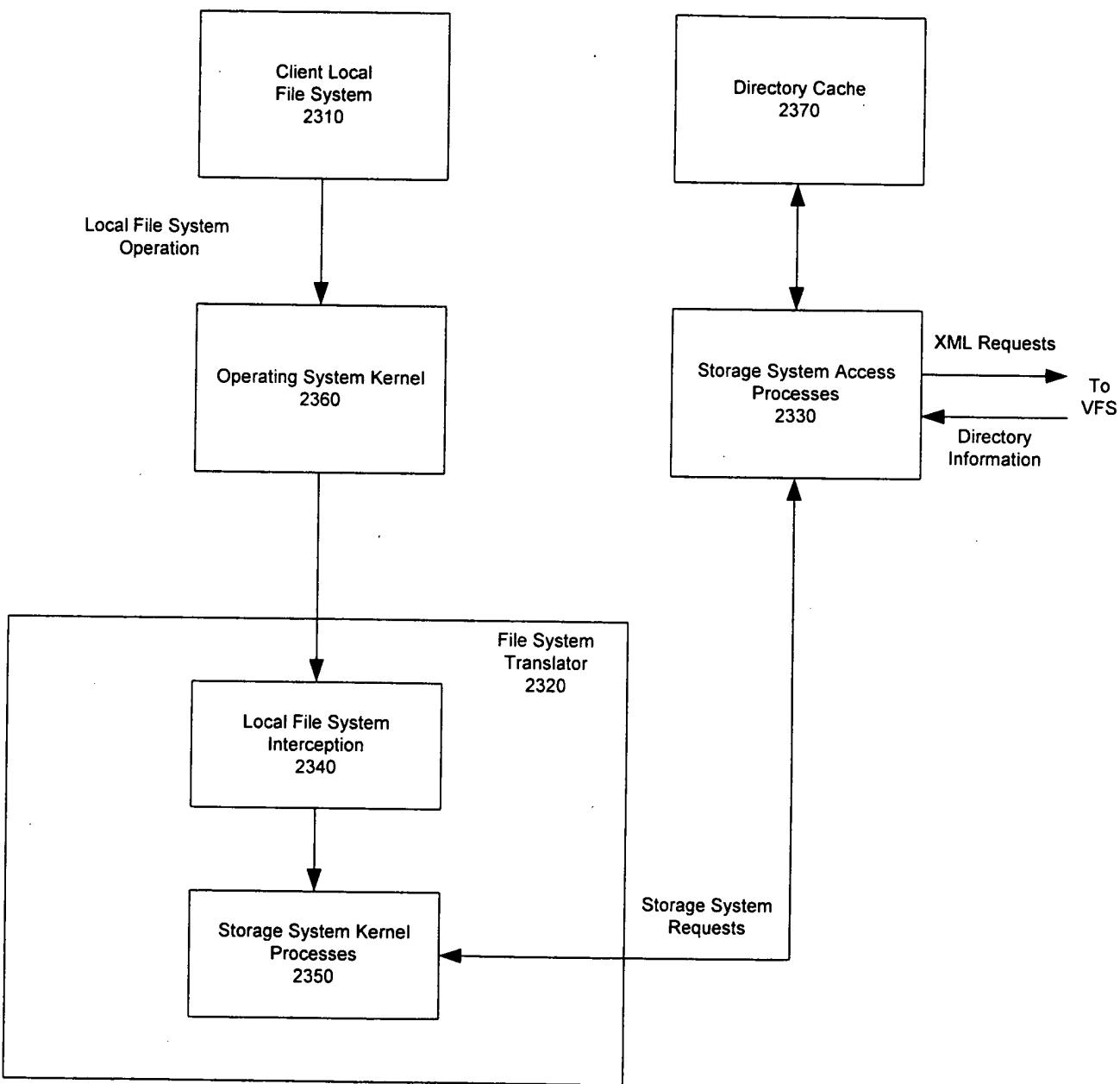
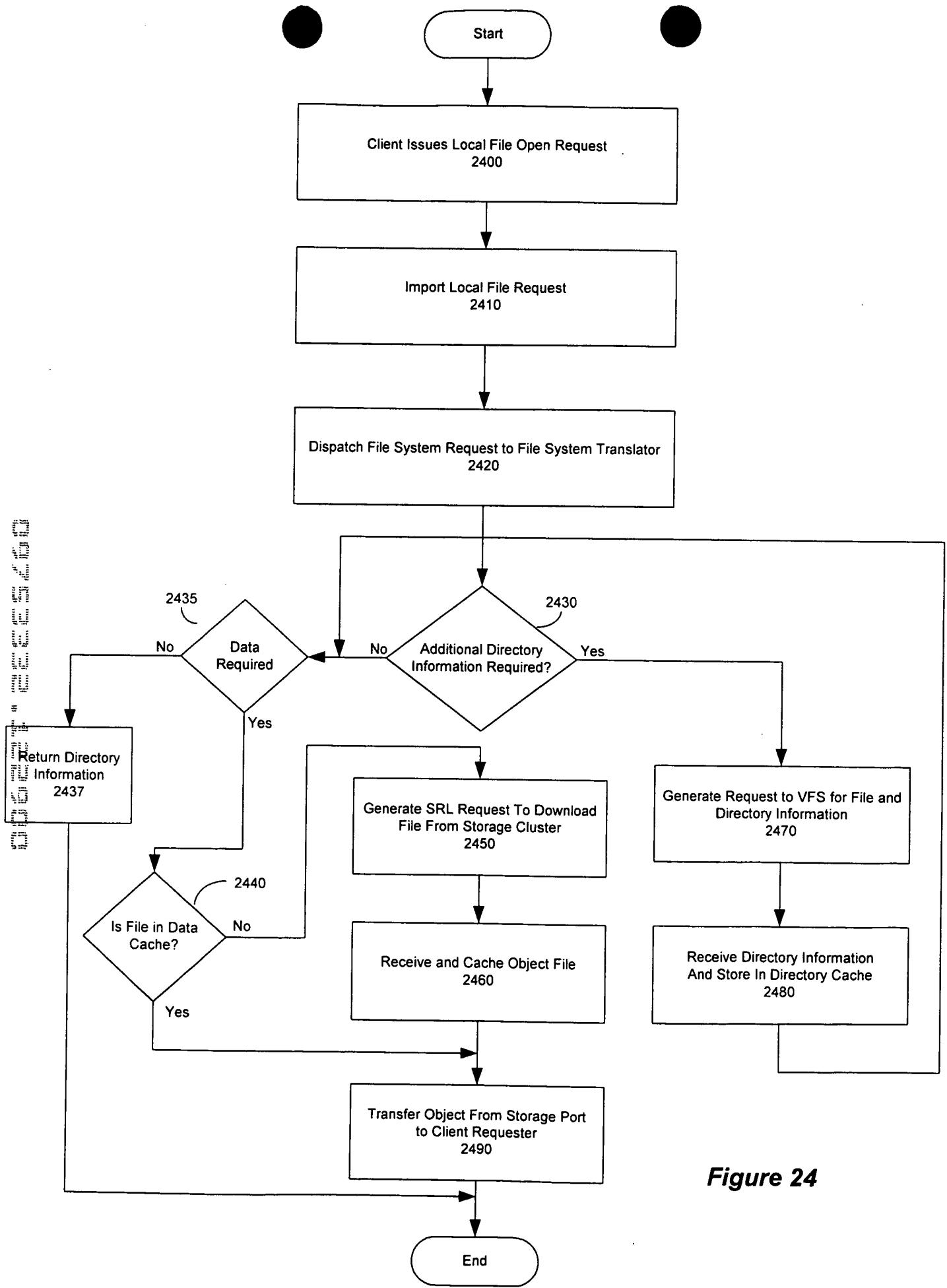


Figure 22

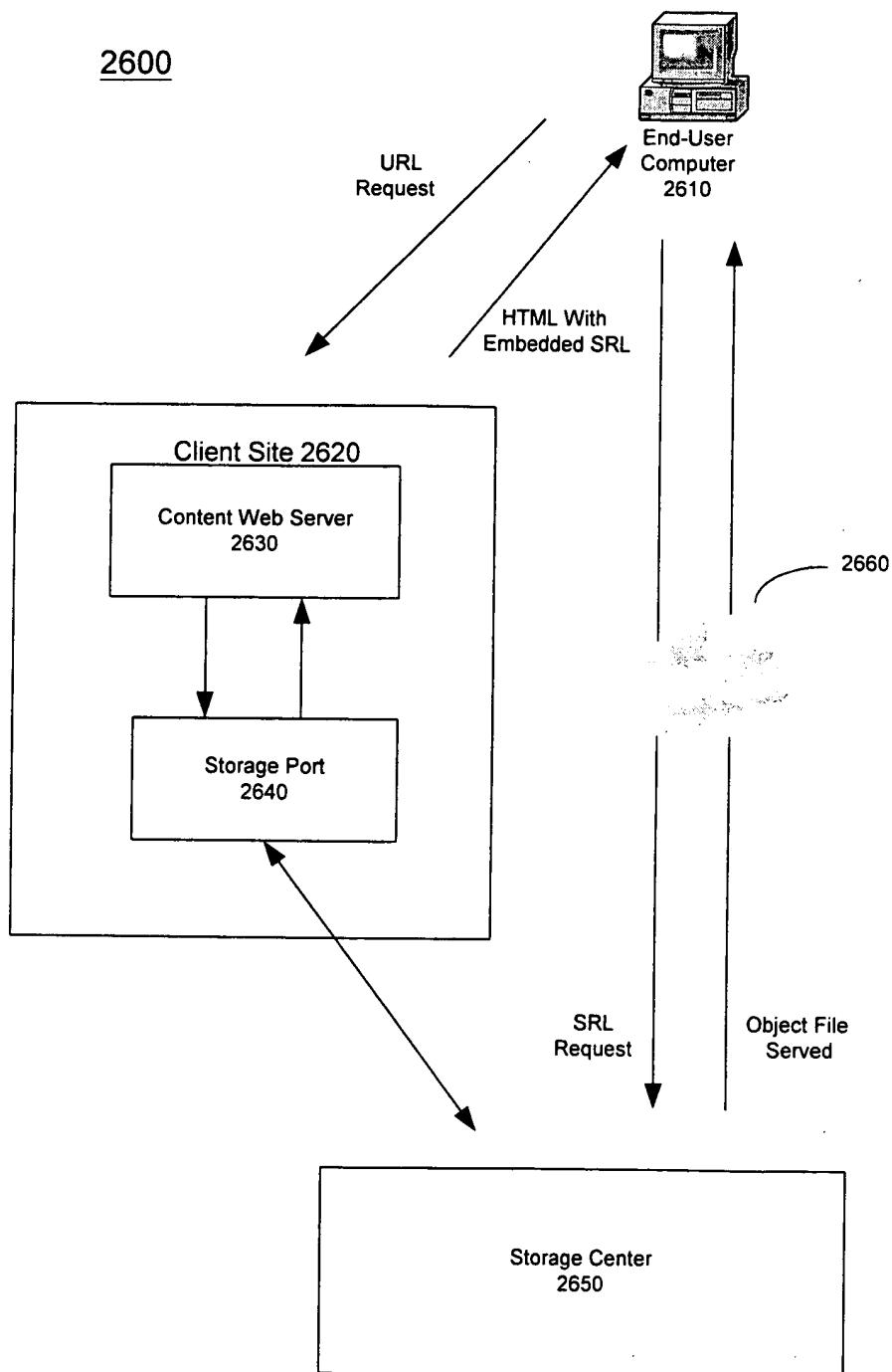
2300



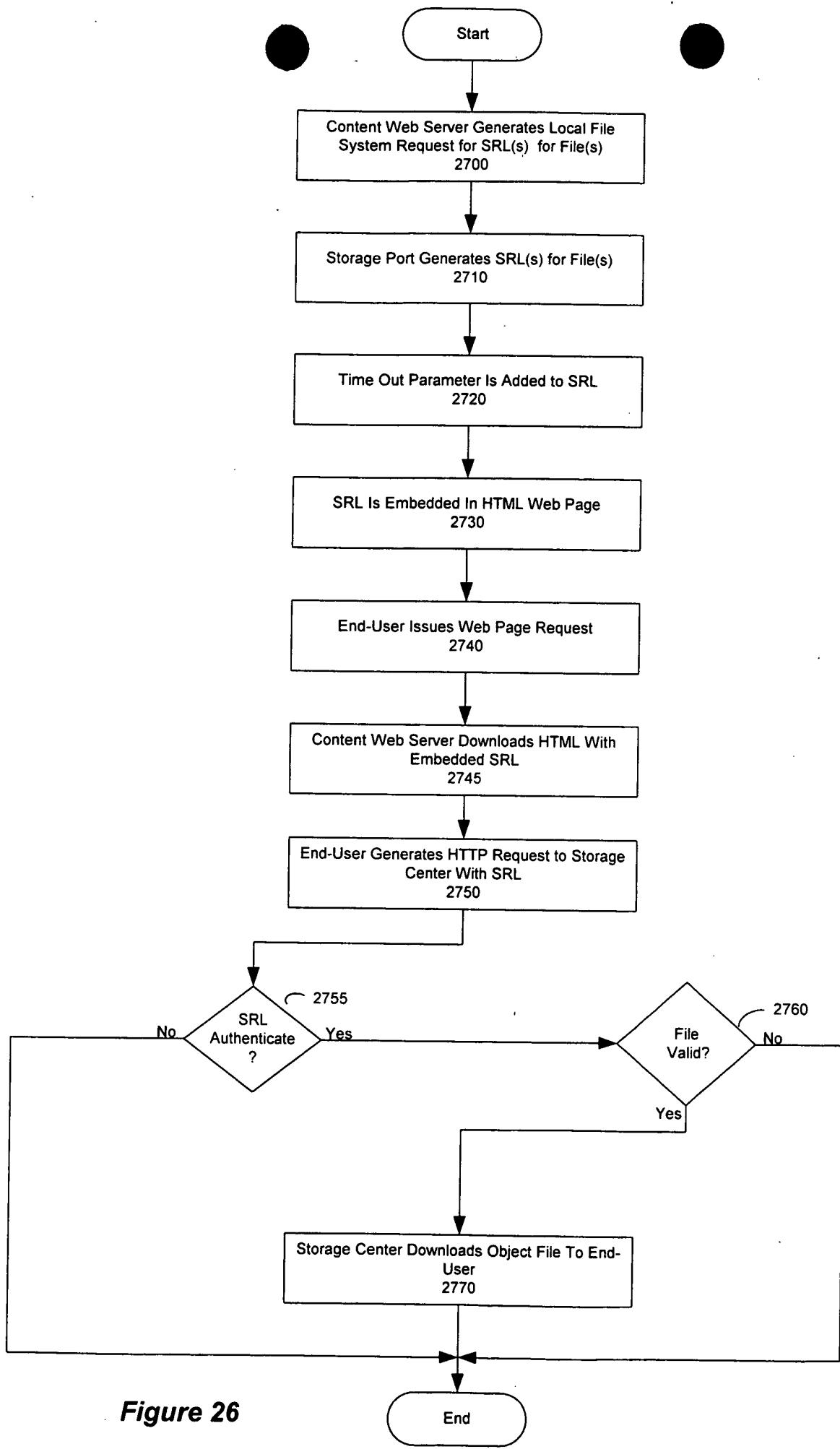
**Figure 23**



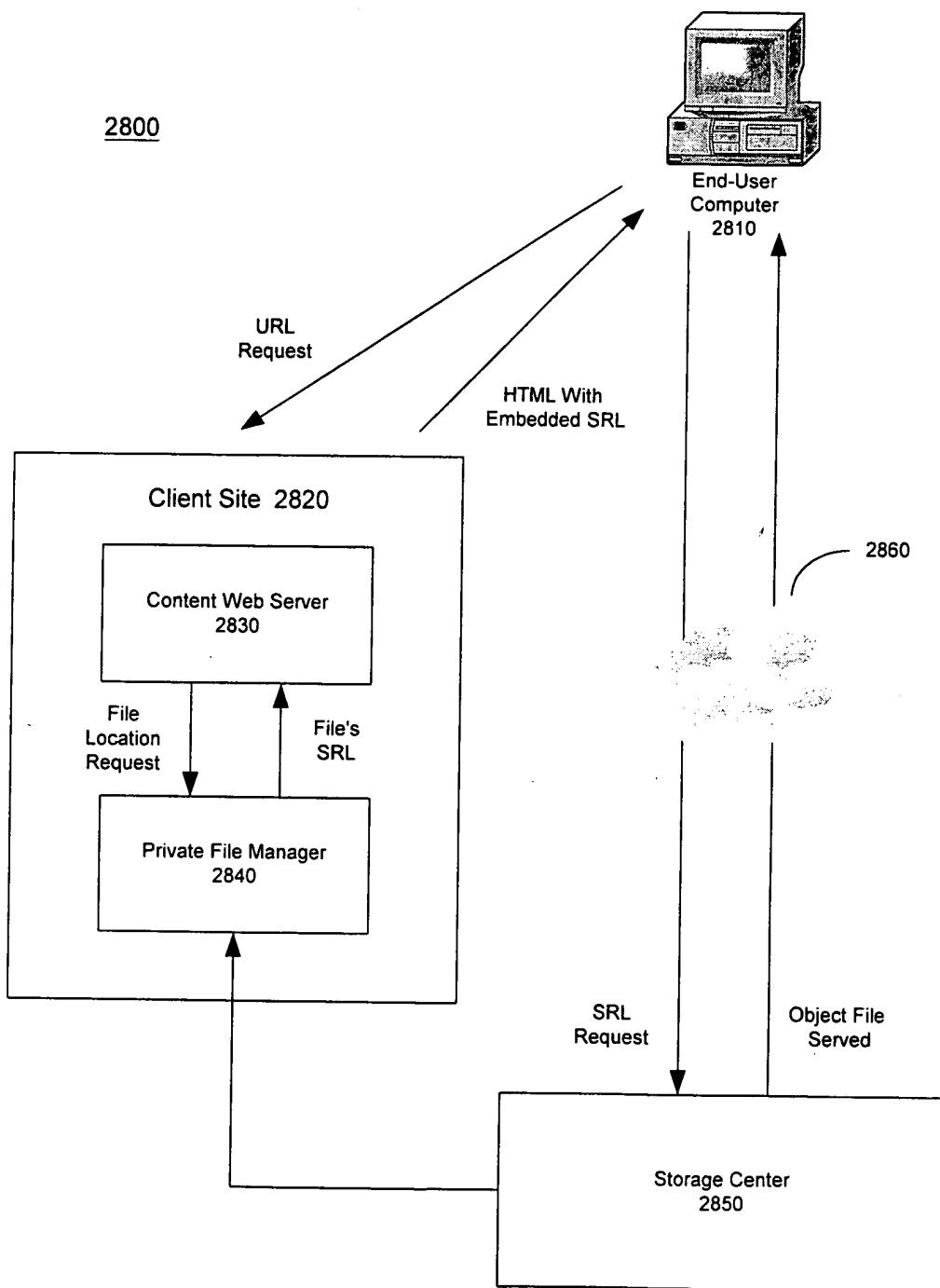
**Figure 24**



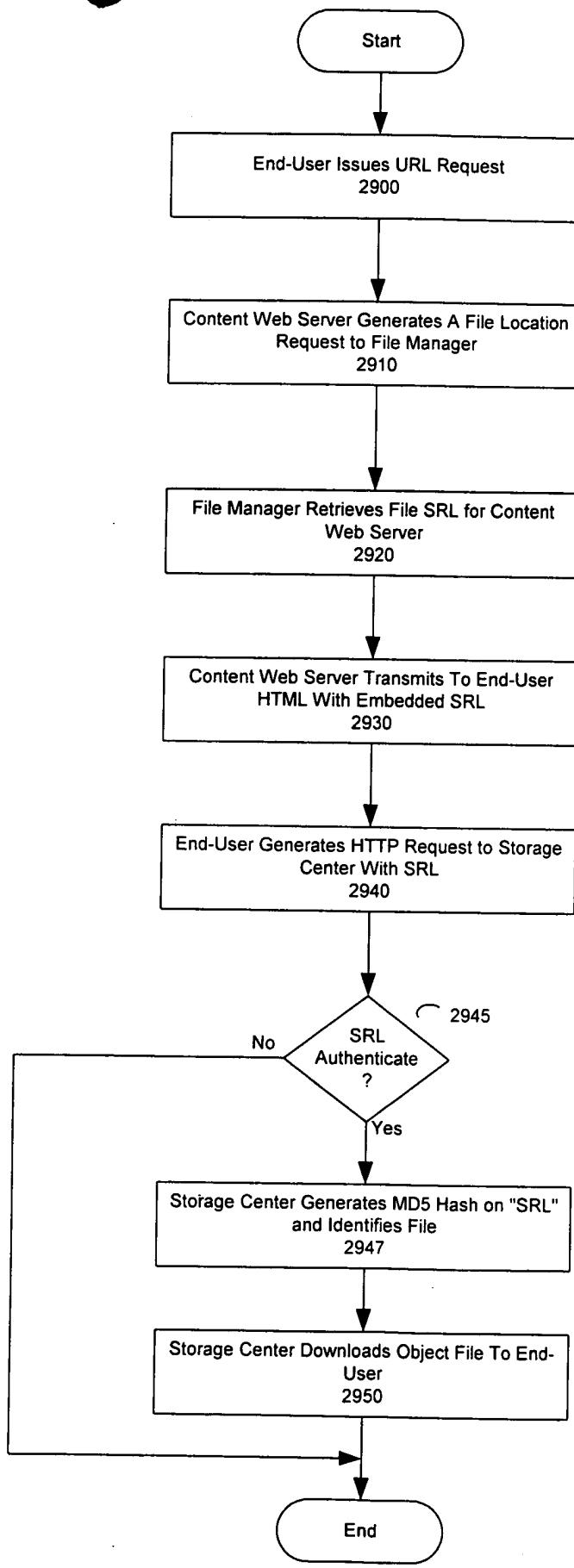
**Figure 25**



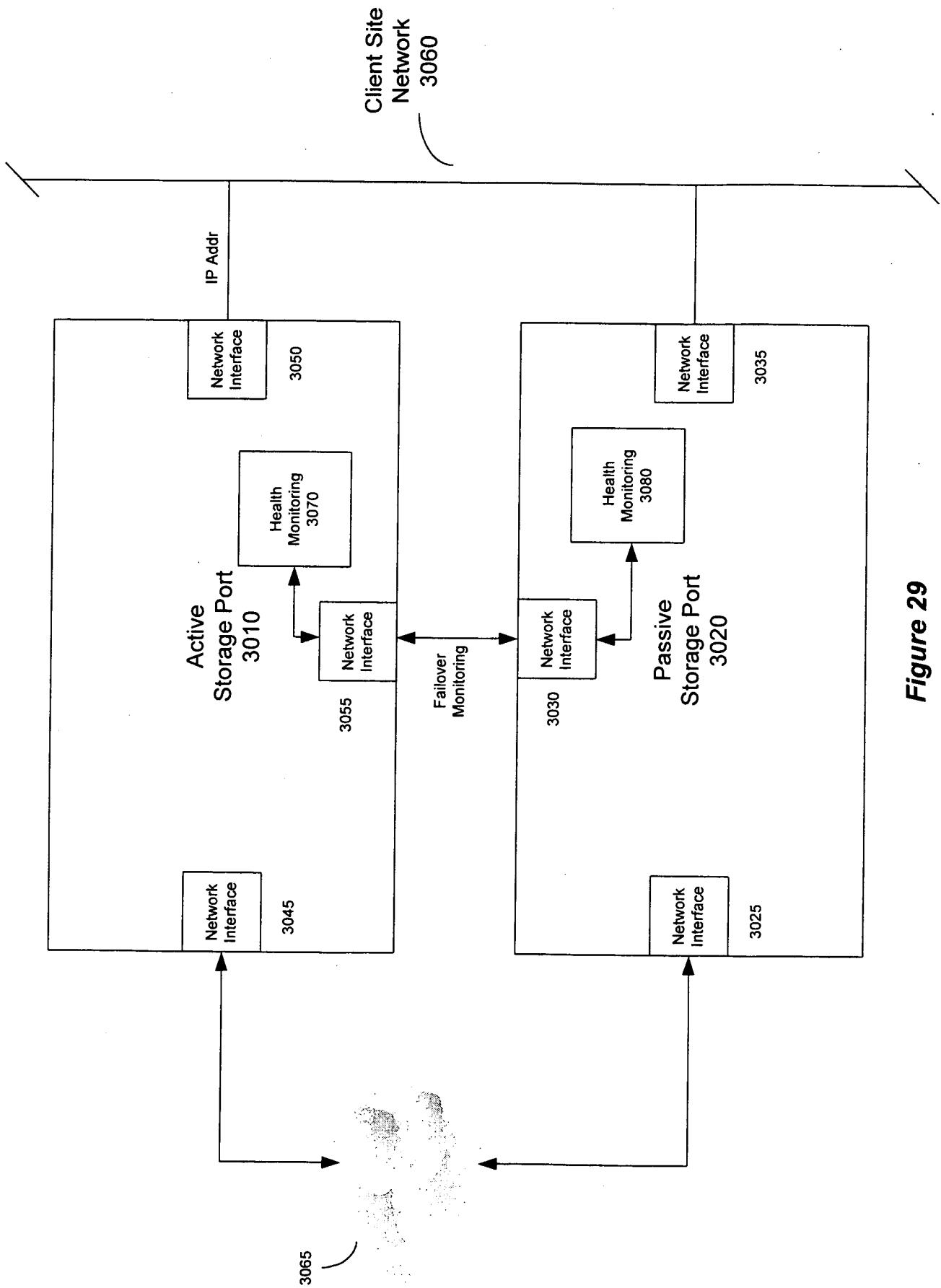
**Figure 26**



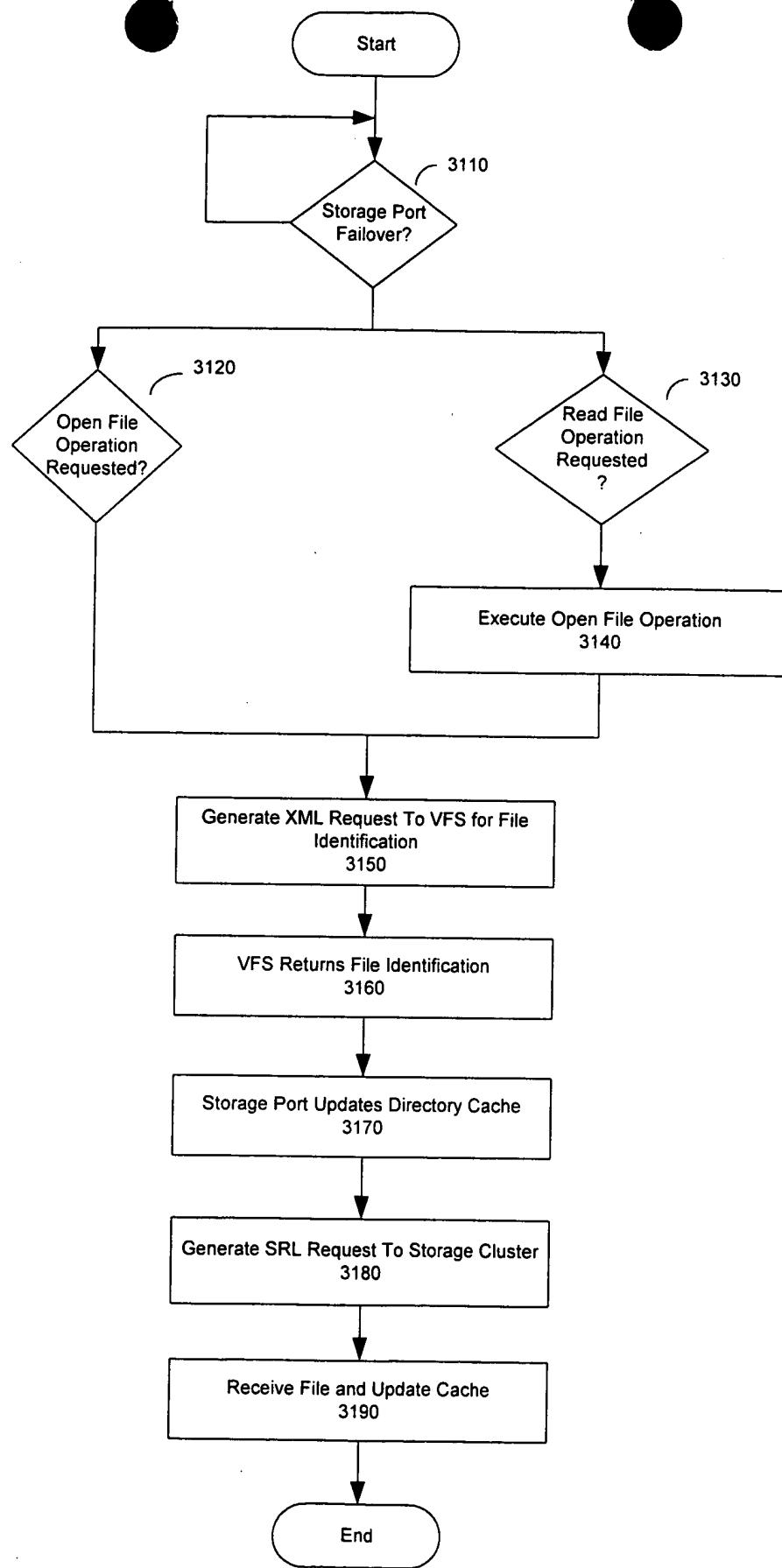
**Figure 27**



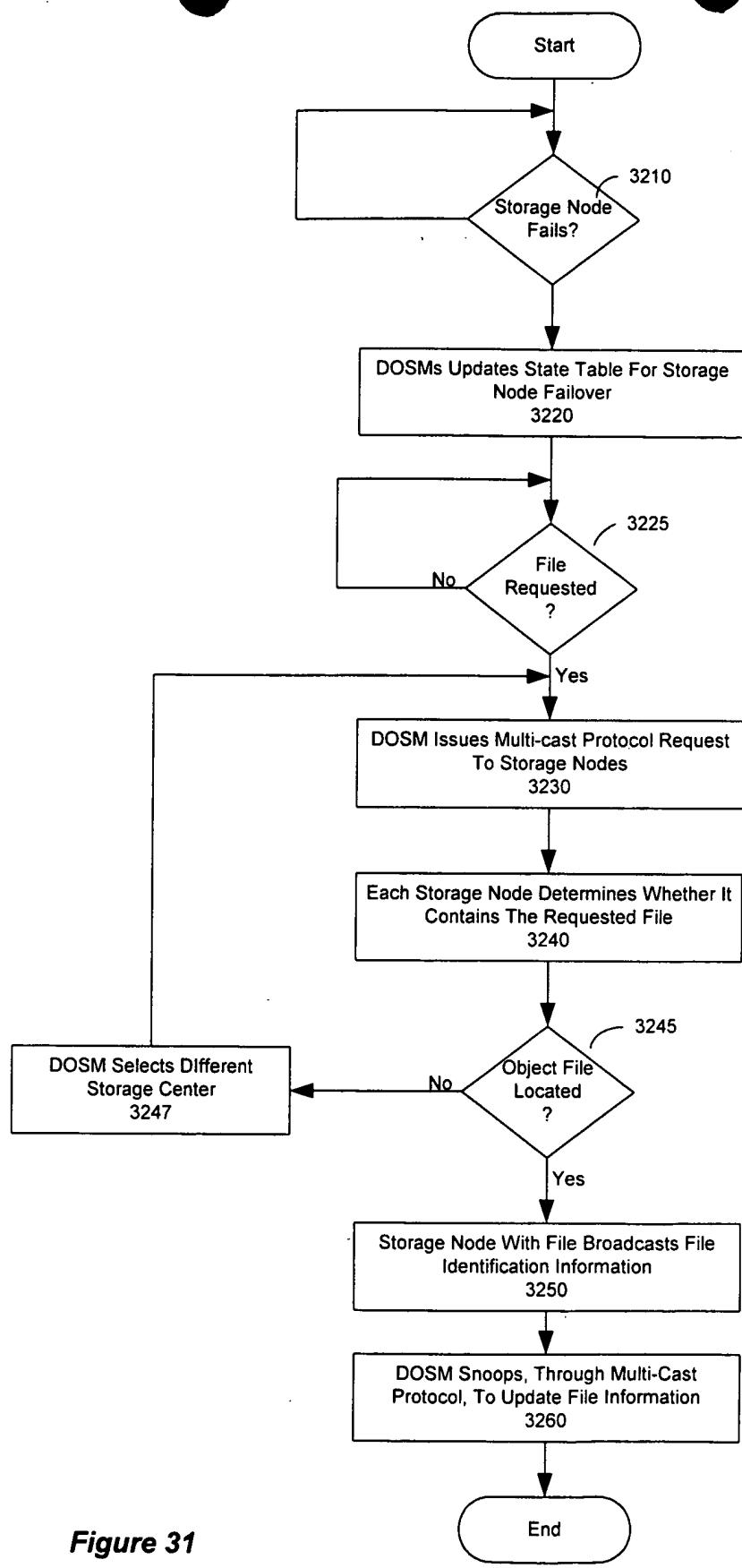
**Figure 28**



**Figure 29**



**Figure 30**



**Figure 31**